

VERACRUZ

| NO. INDICE                 | CARRETERA                                               | ROUTA    | NO. INDICE                                                   | CARRETERA                                          | ROUTA           |
|----------------------------|---------------------------------------------------------|----------|--------------------------------------------------------------|----------------------------------------------------|-----------------|
| ---RED FEDERAL LIBRE---    |                                                         |          | ---RED FEDERAL DE CUOTA---                                   |                                                    |                 |
| 1                          | Álamo - Huejutla de Reyes                               | MEX-127  | 45                                                           | Gutiérrez Zamora - Tihuatlán (Cuota)               | MEX-130D        |
| 2                          | Alazán - Canoas                                         | MEX-127  | 46                                                           | La Tinaja - Cosoleacaque (Cuota)                   | MEX-145D        |
| 3                          | Altotonga - Tiapacoyan                                  | MEX-131  | 47                                                           | Las Choapas - Ocozacoautla (Cuota)                 | MEX-187D        |
| 4                          | Buenavista - Tuxtepec                                   | MEX-175  | 48                                                           | Libramiento de Cardel (Cuota)                      | MEX-180D        |
| 5                          | Cd. Alemán - Sayula                                     | MEX-145  | 49                                                           | Libramiento de Córdoba (Cuota)                     | MEX-150D        |
| 6                          | Cd. Valles - Tampico                                    | MEX-070  | 50                                                           | Libramiento de Perote (Cuota)                      | MEX-140D        |
| 7                          | Coatzacoalcos - Salina Cruz                             | MEX-185  | 51                                                           | Libramiento de Plan del Río (Cuota)                | MEX-140D        |
| 8                          | Coatzacoalcos - Villahermosa                            | MEX-180  | 52                                                           | Nuevo Teapa - Cosoleacaque (Cuota)                 | MEX-180D        |
| 9                          | Córdoba - Ent. Boticaria                                | MEX-150  | 53                                                           | Tihuatlán - Tuxpam (Incluye Puente Tuxpam)         | MEX-130D        |
| 10                         | Cosoleacaque - Soteapan                                 | MEX-185  | ---RED FEDERAL INTEGRADA POR TRAMOS LIBRES Y DE CUOTA---     |                                                    |                 |
| 11                         | Fortín - Conejos                                        | MEX-125  | 54                                                           | Poza Rica - Veracruz                               | MEX-180-180D    |
| 12                         | La Granja - Temascal                                    | MEX-145  | ---RED ESTATAL LIBRE---                                      |                                                    |                 |
| 13                         | La Tinaja - Santa Cruz                                  | MEX-145  | 55                                                           | Banderilla - Martínez de La Torre                  | VER-065         |
| 14                         | Libramiento de Cuitláhuac                               | MEX-150  | 56                                                           | Benito Juárez - Agua Dulce                         | TAB-VER         |
| 15                         | Libramiento de Papantla                                 | MEX-180  | 57                                                           | Ent. La Laguna - Ent. El Callejón                  | VER             |
| 16                         | Libramiento de Yanga                                    | MEX-150  | 58                                                           | José Cardel - Playa Chachalacas                    | VER             |
| 17                         | Libramiento Rinconada                                   | MEX      | 59                                                           | Las Trancas - Coatepec                             | VER             |
| 18                         | Minatitlán - Coatzacoalcos (Vía Cantica)                | MEX-172  | 60                                                           | Libramiento de Acayucan                            | VER             |
| 19                         | Orizaba - Zongolica                                     | MEX-150  | 61                                                           | Libramiento de Tuxpam                              | VER             |
| 20                         | Pachuca - Tempoal                                       | MEX-105  | 62                                                           | Mata de Espino - Ignacio de La Llave               | VER             |
| 21                         | Pachuca - Tuxpam                                        | MEX-130  | 63                                                           | Mata Redonda - Joachín                             | VER-095         |
| 22                         | Papantla - El Chote                                     | MEX-180  | 64                                                           | Nuevo Teapa - Agua Dulce                           | VER             |
| 23                         | Paso del Toro - Acayucan                                | MEX-180  | 65                                                           | Peñuela - Santa Rita                               | VER             |
| 24                         | Ramal a Antón Lizardo                                   | MEX-150  | 66                                                           | Poza Rica - Cazonos                                | VER-075         |
| 25                         | Ramal a El Higo                                         | MEX      | 67                                                           | Pueblo Viejo - T. C. (Cd. Valles - Tampico)        | VER             |
| 26                         | Ramal a Hueyapan de Ocampo                              | MEX-180  | 68                                                           | Puerto Rico - Totutla                              | VER             |
| 27                         | Ramal a Puente Tampico                                  | MEX-180  | 69                                                           | Ramal a Actopan                                    | VER             |
| 28                         | Ramal a Tecolutla                                       | MEX-180  | 70                                                           | Ramal a Agua Dulce                                 | VER             |
| 29                         | Ramal a Zapotlillo                                      | MEX      | 71                                                           | Ramal a Chontla                                    | VER             |
| 30                         | San Hipólito - Xalapa                                   | MEX-140  | 72                                                           | Ramal a Estación Ochoa                             | VER             |
| 31                         | San Pablo Villa de Mitla - T. C. (Tuxtepec - Palomares) | MEX-179  | 73                                                           | Ramal a Jamapa                                     | VER             |
| 32                         | Tamarindo - José Cardel                                 | MEX-180  | 74                                                           | Ramal a Jesús Carranza                             | VER             |
| 33                         | Tehuacán - Córdoba                                      | MEX-150  | 75                                                           | Ramal a Suchilapan                                 | VER             |
| 34                         | Teziutlán - Nautla                                      | MEX-129  | 76                                                           | Ramal a Zempoala                                   | VER-192         |
| 35                         | Teziutlán - Perote                                      | MEX-131  | 77                                                           | San Alejo - Huayacocotla                           | HGO-051-VER-113 |
| 36                         | Tihuatlán - Castillo de Teayo                           | MEX-130  | 78                                                           | San Sebastián - Chicontepec                        | VER-083         |
| 37                         | Tihuatlán - Potrero del Llano                           | MEX-127  | 79                                                           | Santiago Tuxtla - Playa Vicente                    | VER             |
| 38                         | Tuxpam - Tampico                                        | MEX-180  | 80                                                           | Sierra de Agua - Magueyitos                        | VER             |
| 39                         | Tuxtepec - Ent. Palomares                               | MEX-147  | 81                                                           | T. C. (Coatzacoalcos - Villahermosa) - Las Choapas | VER             |
| 40                         | Xalapa - Veracruz                                       | MEX-140  | 82                                                           | Tantoyuca - Platón Sánchez                         | VER             |
| ---RED FEDERAL DE CUOTA--- |                                                         |          | 83                                                           | Tuxpam - Barra de Tuxpam                           | VER             |
| 41                         | Acatzingo - Cd. Mendoza (Cuota)                         | MEX-150D | 84                                                           | Xalapa - Coatepec                                  | VER             |
| 42                         | Amozoc - Perote (Cuota)                                 | MEX-140D | ---CARRETERAS INTEGRADAS POR TRAMOS FEDERALES Y ESTATALES--- |                                                    |                 |
| 43                         | Cd. Mendoza - Córdoba (Cuota)                           | MEX-150D | 85                                                           | Paso del Toro - Laguna de San Julián               | MEX-VER         |
| 44                         | Córdoba - Veracruz (Cuota)                              | MEX-150D | 86                                                           | Poza Rica - María de La Torre                      | MEX-127-VER     |

SECRETARÍA DE COMUNICACIONES Y TRANSPORTES  
DIRECCIÓN GENERAL DE SERVICIOS TÉCNICOS



VERACRUZ

1 C A R R : Álamo - Huejutla de Reyes

CLAVE: 00116

RUTA: MEX-127

AÑO : 2013

| L U G A R                                   | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|---------------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                             | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Tihuatlán - Potrero del Llano         | 0.00            | 3  | 0  | 3105 | 46.7                   | 54.4 | 67.8 | 10.2 | 45.7                       | 51.8 | 59.6 | 8.3  | 44.6                      | 52.5 | 65.0  | 10.6 | 20.942587             | -97.707524 |
| Benito Juárez                               | 73.00           | 1  | 0  | 1472 | 44.4                   | 51.2 | 63.3 | 8.1  | 39.4                       | 47.8 | 70.2 | 10.2 | 40.6                      | 49.8 | 62.5  | 10.7 | 20.882152             | -98.198237 |
| T. Der. Chicontepec de Tejada               | 78.00           | 3  | 0  | 972  | 58.8                   | 68.5 | 83.3 | 11.3 | 54.5                       | 55.8 | 72.7 | 5.6  | 56.7                      | 62.4 | 136.2 | 10.4 | 20.923304             | -98.221053 |
| Lim. Edos. Term. Ver. Ppia. Hgo.            | 78.70           |    |    |      |                        |      |      |      |                            |      |      |      |                           |      |       |      |                       |            |
| T. C. Pachuca - Tempoal (Huejutla de Reyes) | 110.00          |    |    |      |                        |      |      |      |                            |      |      |      |                           |      |       |      |                       |            |

2 C A R R : Alazán - Canoas

CLAVE: 30141

RUTA: MEX-127

AÑO : 2013

| L U G A R                             | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|---------------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                       | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Tuxpam - Tampico                | 0.00            | 3  | 0  | 7088 | 70.1                   | 82.5 | 103.3 | 13.6 | 66.9                       | 77.0 | 94.3  | 11.4 | 64.3                      | 75.0 | 101.1 | 12.5 | 21.096447             | -97.739057 |
| Ent. San Sebastián - Chicontepec      | 48.27           | 1  | 0  | 2583 | 37.6                   | 43.5 | 54.8  | 8.2  | 34.5                       | 42.5 | 53.4  | 8.2  | 33.8                      | 43.0 | 54.1  | 9.5  | 21.214056             | -98.128667 |
| Ent. San Sebastián - Chicontepec      | 48.27           | 3  | 0  | 3197 | 55.9                   | 64.1 | 81.0  | 10.1 | 51.8                       | 58.3 | 70.3  | 8.8  | 51.6                      | 58.3 | 75.2  | 9.7  | 21.219798             | -98.134686 |
| Tantoyuca                             | 66.34           | 1  | 0  | 4184 | 48.9                   | 65.0 | 88.9  | 16.8 | 41.9                       | 51.0 | 83.0  | 12.3 | 40.9                      | 53.4 | 74.1  | 16.0 | 21.333472             | -98.214417 |
| Tantoyuca                             | 66.34           | 3  | 0  | 4988 | 53.8                   | 63.0 | 79.6  | 10.7 | 50.6                       | 56.8 | 68.8  | 9.2  | 50.8                      | 58.6 | 78.8  | 10.9 | 21.369793             | -98.230487 |
| T. C. Pachuca - Tempoal               | 91.00           | 1  | 0  | 3293 | 63.9                   | 76.8 | 97.8  | 13.5 | 61.7                       | 72.1 | 87.0  | 11.5 | 60.4                      | 72.5 | 95.2  | 13.3 | 21.491111             | -98.355645 |
| T. Izq. Tempoal de Sánchez (Acceso 1) | 91.40           | 3  | 0  | 4240 | 49.4                   | 58.3 | 72.1  | 10.0 | 51.0                       | 57.1 | 69.0  | 9.2  | 52.7                      | 57.2 | 69.9  | 7.7  | 21.513953             | -98.372634 |
| T. Izq. Tempoal de Sánchez (Acceso 2) | 92.60           | 3  | 0  | 3822 | 63.2                   | 73.6 | 94.1  | 11.0 | 60.7                       | 68.8 | 81.9  | 9.3  | 57.6                      | 66.4 | 94.3  | 11.5 | 21.525994             | -98.379611 |
| Pánuco                                | 160.00          | 1  | 0  | 3819 | 64.3                   | 75.3 | 95.0  | 12.3 | 66.1                       | 76.5 | 109.1 | 12.6 | 63.5                      | 77.3 | 104.3 | 14.7 | 22.043556             | -98.199293 |
| Pánuco                                | 160.00          | 3  | 0  | 5943 | 71.4                   | 83.1 | 102.8 | 13.1 | 70.3                       | 80.7 | 93.5  | 11.5 | 69.5                      | 81.7 | 100.2 | 13.7 | 22.068005             | -98.168123 |
| Caseta de Cobro Puente Pánuco         | 172.10          | 2  | 0  | 4539 |                        |      |       |      |                            |      |       |      |                           |      |       |      | 22.148705             | -98.144903 |
| T. C. Cd. Valles - Tampico            | 173.36          | 1  | 0  | 4719 | 63.5                   | 72.8 | 86.7  | 10.7 | 59.8                       | 65.5 | 76.4  | 8.2  | 55.8                      | 64.7 | 81.9  | 10.8 | 22.154237             | -98.149321 |

3 C A R R : Altotonga - Tlapacoyan

CLAVE: 30741

RUTA: MEX-131

AÑO : 2013

| L U G A R                | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|--------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                          | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Teziutlán - Perote | 0.00            |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |
| Atzalan                  | 3.00            | 1  | 0  | 4660 | 40.5                   | 46.8 | 60.8 | 9.0  | 35.7                       | 43.7 | 54.0 | 8.3 | 33.1                      | 46.1 | 54.3 | 11.3 | 19.785604             | -97.243728 |
| Tlapacoyan               | 32.10           | 1  | 0  | 4225 | 60.8                   | 70.6 | 85.6 | 11.3 | 52.9                       | 59.8 | 70.7 | 8.7 | 50.7                      | 60.0 | 74.8 | 11.2 | 19.941075             | -97.217296 |

## VERACRUZ

4 C A R R : Buenavista - Tuxtepec

CLAVE: 00624

RUTA: MEX-175

AÑO : 2013

| L U G A R                        | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Paso del Toro - Acayucan   | 0.00            | 3  | 0  | 1607  | 69.5                   | 78.7 | 92.4  | 11.0 | 59.7                       | 64.1 | 73.4 | 7.0  | 59.3                      | 69.3 | 84.8  | 11.8 | 18.713446             | -95.637912 |
| Puente Tlacotalpan               | 1.55            | 2  | 0  | 1453  |                        |      |       |      |                            |      |      |      |                           |      |       |      | 18.704596             | -95.641294 |
| Tlacotalpan                      | 18.00           | 1  | 0  | 2168  | 37.3                   | 44.6 | 54.5  | 9.3  | 40.8                       | 50.9 | 99.8 | 13.2 | 39.8                      | 50.3 | 55.2  | 12.2 | 18.612714             | -95.648859 |
| Tlacotalpan                      | 18.00           | 3  | 0  | 2002  | 40.9                   | 49.1 | 63.3  | 10.3 | 42.1                       | 50.9 | 54.6 | 10.3 | 36.2                      | 46.1 | 57.6  | 10.5 | 18.616978             | -95.669959 |
| Carlos A. Carrillo               | 56.00           | 1  | 0  | 3530  | 49.9                   | 58.4 | 71.5  | 10.4 | 48.9                       | 52.8 | 62.7 | 7.4  | 47.2                      | 53.5 | 70.8  | 9.9  | 18.378483             | -95.749644 |
| Cosamaloapan                     | 60.00           | 1  | 0  | 10823 | 57.5                   | 66.2 | 85.2  | 10.8 | 57.1                       | 64.2 | 83.5 | 9.5  | 54.1                      | 61.3 | 85.7  | 9.8  | 18.365950             | -95.775327 |
| Cosamaloapan                     | 60.00           | 3  | 0  | 9190  | 65.0                   | 75.0 | 92.6  | 11.5 | 62.7                       | 71.0 | 83.6 | 9.8  | 59.9                      | 70.8 | 91.5  | 12.5 | 18.351495             | -95.806811 |
| T. C. La Tinaja - Santa Cruz     | 107.00          | 1  | 0  | 3557  | 63.1                   | 74.6 | 94.1  | 12.9 | 58.5                       | 66.8 | 80.1 | 9.1  | 56.3                      | 66.6 | 89.9  | 11.7 | 18.168810             | -96.087913 |
| T. C. Cd. Alemán - Sayula        | 108.92          | 1  | 0  | 4112  | 57.7                   | 74.6 | 135.6 | 19.5 | 55.0                       | 53.5 | 54.8 | 0.0  | 55.0                      | 53.5 | 54.8  |      | 18.168360             | -96.093280 |
| T. C. Cd. Alemán - Sayula        | 108.92          | 3  | 0  | 6988  | 68.8                   | 82.4 | 110.3 | 14.2 | 65.7                       | 79.3 | 94.3 | 12.0 | 63.6                      | 78.7 | 107.0 | 14.9 | 18.168876             | -96.101570 |
| Lim. Edos. Term. Ver. Ppia. Oax. | 115.00          |    |    |       |                        |      |       |      |                            |      |      |      |                           |      |       |      |                       |            |
| Puente Caracol                   | 117.20          | 2  | 0  | 6006  |                        |      |       |      |                            |      |      |      |                           |      |       |      | 18.133058             | -96.136687 |
| Tuxtepec                         | 121.25          | 1  | 1  | 4768  | 65.5                   | 76.0 | 93.0  | 11.8 | 63.8                       | 71.0 | 84.8 | 9.1  | 60.6                      | 70.8 | 85.4  | 11.9 | 18.114168             | -96.134372 |
| Tuxtepec                         | 121.25          | 1  | 2  | 4227  | 65.6                   | 75.9 | 93.1  | 11.7 | 63.8                       | 70.9 | 89.1 | 9.2  | 60.8                      | 70.9 | 85.4  | 11.8 | 18.114151             | -96.134303 |

5 C A R R : Cd. Alemán - Sayula

CLAVE: 00301

RUTA: MEX-145

AÑO : 2013

| L U G A R                             | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|---------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                       | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Cd. Alemán                            | 0.00            | 3  | 0  | 5769 | 57.2                   | 71.7  | 100.4 | 15.1 | 53.5                       | 64.4 | 76.9  | 11.5 | 49.4                      | 61.3 | 80.8  | 12.9 | 18.183790             | -96.093421 |
| Lim. Edos. Term. Ver. Ppia. Oax.      | 1.80            |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| Puente Papaloapan                     | 3.50            | 2  | 0  | 3479 |                        |       |       |      |                            |      |       |      |                           |      |       |      | 18.159461             | -96.096585 |
| T. Izq. Loma Bonita                   | 36.70           | 1  | 0  | 5599 | 48.4                   | 61.7  | 82.6  | 14.4 | 42.9                       | 51.5 | 63.4  | 10.2 | 39.6                      | 50.1 | 67.1  | 12.1 | 18.094926             | -95.880834 |
| T. Der. Villa Azueta                  | 41.50           | 1  | 0  | 5111 | 48.0                   | 54.0  | 67.9  | 8.9  | 43.0                       | 47.2 | 58.9  | 7.0  | 40.0                      | 44.4 | 58.4  | 7.9  | 18.091106             | -95.781659 |
| Lim. Edos. Term. Oax. Ppia. Ver.      | 43.16           |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| T. Izq. Tesechoacán                   | 56.70           | 1  | 0  | 3868 | 60.4                   | 66.1  | 77.5  | 8.7  | 52.3                       | 56.1 | 64.2  | 7.0  | 52.3                      | 58.4 | 67.7  | 8.4  | 18.128930             | -95.656882 |
| X. C. Santiago Tuxtla - Playa Vicente | 71.40           | 1  | 0  | 4846 | 88.2                   | 105.0 | 123.8 | 18.3 | 64.1                       | 76.1 | 109.6 | 12.7 | 82.2                      | 97.6 | 120.4 | 15.6 | 18.069222             | -95.535639 |
| San Juan Evangelista                  | 118.35          | 1  | 0  | 5171 | 66.6                   | 80.3  | 101.3 | 13.9 | 60.3                       | 71.4 | 83.9  | 11.3 | 54.0                      | 60.7 | 82.4  | 9.0  | 17.910365             | -95.129492 |
| Sayula de Alemán                      | 136.40          | 1  | 0  | 6091 | 69.2                   | 81.9  | 103.4 | 13.5 | 61.5                       | 71.6 | 91.8  | 11.0 | 61.0                      | 71.3 | 94.7  | 12.0 | 17.887423             | -94.964991 |

6 C A R R : Cd. Valles - Tampico

CLAVE: 00138

RUTA: MEX-070

AÑO : 2013

| L U G A R  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|            | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Cd. Valles | 0.00            | 3  | 0  | 8555 | 62.5                   | 73.6 | 91.8 | 13.0 | 62.1                       | 72.2 | 93.8 | 12.4 | 59.6                      | 69.8 | 96.2 | 12.3 | 21.975883             | -98.963200 |

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6 C A R R : Cd. Valles - Tampico

CLAVE: 00138

RUTA: MEX-070

AÑO : 2013

| L U G A R                            | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|--------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                      | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. Der. Santa Elena                  | 15.25           | 3  | 0  | 6530 | 81.1                   | 93.7  | 113.2 | 13.9 | 79.9                       | 91.1 | 103.9 | 12.6 | 75.0                      | 87.8 | 105.1 | 13.4 | 21.959883             | -98.880650 |
| Tamuín                               | 29.60           | 1  | 0  | 6147 | 67.2                   | 77.0  | 94.7  | 11.4 | 65.2                       | 72.9 | 85.1  | 9.0  | 60.6                      | 69.9 | 86.6  | 11.0 | 22.000303             | -98.782121 |
| Ébano                                | 79.00           | 1  | 0  | 4738 | 79.0                   | 91.7  | 111.4 | 13.5 | 80.1                       | 90.4 | 101.5 | 11.7 | 74.4                      | 84.1 | 101.4 | 11.5 | 22.214333             | -98.389183 |
| Ébano                                | 79.00           | 3  | 0  | 4762 | 78.6                   | 91.6  | 111.5 | 13.6 | 79.6                       | 89.9 | 100.6 | 11.7 | 74.7                      | 84.7 | 101.8 | 11.6 | 22.211400             | -98.359383 |
| Lim. Edos. Term. S. L. P. Ppia. Ver. | 83.57           |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| T. Der. Pánuco                       | 103.00          | 1  | 0  | 6283 | 44.4                   | 52.5  | 65.6  | 9.5  | 46.5                       | 52.1 | 64.7  | 8.2  | 43.3                      | 51.9 | 67.5  | 11.1 | 22.156520             | -98.153859 |
| T. Der. Pánuco                       | 103.00          | 3  | 0  | 6416 | 68.6                   | 80.0  | 98.1  | 12.5 | 64.7                       | 73.3 | 84.8  | 9.5  | 61.8                      | 71.3 | 90.3  | 11.1 | 22.158825             | -98.149359 |
| T. C. Anáhuac - El Prieto            | 128.40          | 1  | 1  | 4130 | 93.2                   | 106.6 | 127.7 | 14.0 | 86.1                       | 97.2 | 105.2 | 12.8 | 82.2                      | 94.4 | 114.9 | 14.6 | 22.214183             | -97.949848 |
| T. C. Anáhuac - El Prieto            | 128.40          | 1  | 2  | 4150 | 93.3                   | 105.3 | 128.0 | 13.3 | 87.0                       | 98.9 | 110.4 | 13.1 | 83.8                      | 96.2 | 117.2 | 13.6 | 22.214406             | -97.949937 |
| T. C. Anáhuac - El Prieto            | 128.40          | 3  | 1  | 5882 | 80.5                   | 99.4  | 124.7 | 18.9 | 74.7                       | 91.8 | 107.6 | 16.7 | 68.7                      | 84.2 | 108.0 | 15.7 | 22.217474             | -97.936130 |
| T. C. Anáhuac - El Prieto            | 128.40          | 3  | 2  | 6219 | 69.6                   | 79.9  | 96.8  | 12.3 | 67.8                       | 78.6 | 92.5  | 12.0 | 60.7                      | 72.6 | 89.0  | 13.5 | 22.217674             | -97.936224 |
| Lim. Edos. Term. Ver. Ppia. Tamps.   | 133.81          |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| Tampico                              | 138.00          | 1  | 1  | 7941 | 50.5                   | 58.6  | 71.8  | 10.0 | 47.2                       | 53.7 | 64.0  | 9.0  | 45.5                      | 52.8 | 64.3  | 8.8  | 22.226932             | -97.893776 |
| Tampico                              | 138.00          | 1  | 2  | 8350 | 50.5                   | 58.6  | 71.8  | 10.0 | 47.2                       | 53.9 | 64.1  | 9.2  | 45.6                      | 52.7 | 64.2  | 8.7  | 22.227064             | -97.893818 |

7 C A R R : Coatzacoalcos - Salina Cruz

CLAVE: 00147

RUTA: MEX-185

AÑO : 2013

| L U G A R                        | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Coatzacoalcos                    | 0.00            | 3  | 1  | 11621 | 73.8                   | 83.2  | 99.7  | 11.0 | 71.3                       | 80.7 | 92.5  | 10.9 | 65.6                      | 77.1 | 93.6  | 12.6 | 18.096283             | -94.460097 |
| Coatzacoalcos                    | 0.00            | 3  | 2  | 11924 | 66.9                   | 75.8  | 92.7  | 10.7 | 70.3                       | 81.4 | 139.6 | 16.2 | 64.8                      | 73.9 | 119.9 | 12.8 | 18.096299             | -94.459998 |
| T. C. Nuevo Teapa - Cosoleacaque | 21.00           | 1  | 1  | 11981 | 59.8                   | 67.5  | 81.4  | 10.0 | 55.8                       | 63.4 | 74.4  | 9.5  | 53.3                      | 63.1 | 77.3  | 11.3 | 18.021776             | -94.542934 |
| T. C. Nuevo Teapa - Cosoleacaque | 21.00           | 1  | 2  | 12498 | 66.7                   | 76.2  | 92.0  | 11.2 | 63.5                       | 73.6 | 84.9  | 11.6 | 58.4                      | 71.9 | 86.9  | 14.2 | 18.021698             | -94.542848 |
| Minatitlán                       | 21.60           | 3  | 1  | 11921 | 55.9                   | 62.0  | 73.6  | 7.7  | 53.6                       | 58.6 | 68.3  | 7.0  | 51.8                      | 58.8 | 72.0  | 9.1  | 17.998903             | -94.588934 |
| Minatitlán                       | 21.60           | 3  | 2  | 12031 | 61.1                   | 69.6  | 84.1  | 10.2 | 55.9                       | 62.7 | 74.3  | 8.4  | 54.9                      | 62.4 | 74.6  | 8.8  | 17.998747             | -94.589075 |
| Cosoleacaque                     | 31.50           | 1  | 0  | 21353 | 59.3                   | 64.5  | 78.9  | 8.6  | 59.0                       | 64.1 | 74.6  | 8.1  | 57.8                      | 63.7 | 74.9  | 8.5  | 18.006424             | -94.621506 |
| Jáltipan de Morelos              | 38.60           | 3  | 0  | 9752  | 81.0                   | 91.1  | 109.4 | 11.5 | 79.4                       | 88.1 | 96.8  | 10.5 | 77.9                      | 86.5 | 101.8 | 10.8 | 17.961964             | -94.732743 |
| Acayucan                         | 59.60           | 1  | 0  | 10580 | 66.1                   | 79.8  | 99.2  | 13.8 | 63.6                       | 76.1 | 95.7  | 13.3 | 58.4                      | 69.9 | 93.0  | 11.6 | 17.953807             | -94.872747 |
| Sayula de Alemán                 | 71.00           | 1  | 1  | 7906  | 85.3                   | 96.0  | 117.1 | 12.0 | 79.0                       | 89.1 | 113.4 | 12.3 | 77.5                      | 86.6 | 109.0 | 11.7 | 17.896656             | -94.949840 |
| Sayula de Alemán                 | 71.00           | 1  | 2  | 8069  | 88.8                   | 100.6 | 119.4 | 12.9 | 84.6                       | 93.7 | 112.5 | 11.2 | 79.2                      | 92.0 | 116.5 | 13.7 | 17.896581             | -94.949759 |
| Sayula de Alemán                 | 71.00           | 3  | 0  | 7028  | 67.3                   | 79.8  | 98.6  | 12.7 | 61.8                       | 71.6 | 95.2  | 11.5 | 58.5                      | 68.6 | 98.2  | 12.3 | 17.871603             | -94.969517 |
| Campo Nuevo                      | 94.50           | 3  | 0  | 5617  | 63.9                   | 74.8  | 93.1  | 12.1 | 57.8                       | 64.1 | 85.7  | 10.2 | 54.2                      | 63.4 | 85.0  | 11.0 | 17.695061             | -95.075311 |
| T. Izq. Jesús Carranza           | 126.80          | 1  | 0  | 4438  | 75.3                   | 86.3  | 109.0 | 12.2 | 67.7                       | 77.7 | 93.9  | 11.1 | 62.1                      | 74.5 | 94.5  | 13.4 | 17.439405             | -95.078220 |
| T. Izq. Jesús Carranza           | 126.80          | 3  | 0  | 4831  | 57.2                   | 65.8  | 82.8  | 10.9 | 52.8                       | 60.9 | 74.7  | 9.5  | 46.5                      | 54.7 | 73.3  | 10.3 | 17.432710             | -95.076743 |
| Lim. Edos. Term. Ver. Ppia. Oax. | 139.90          |    |    |       |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |

## VERACRUZ

7 C A R R : Coatzacoalcos - Salina Cruz

CLAVE: 00147

RUTA: MEX-185

AÑO : 2013

| L U G A R                                 | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|-------------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                           | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. Der. Tuxtepec                          | 166.20          | 1  | 0  | 4797  | 57.7                   | 62.9  | 73.7  | 7.9  | 67.0                       | 79.7 | 99.7  | 13.5 | 57.4                      | 68.1 | 98.8  | 12.0 | 17.145426             | -95.063845 |
| T. Der. Tuxtepec                          | 166.20          | 3  | 0  | 6145  | 62.2                   | 73.8  | 93.9  | 13.0 | 62.5                       | 73.2 | 89.5  | 11.7 | 58.3                      | 68.6 | 89.6  | 11.6 | 17.132157             | -95.059972 |
| T. Der. Estación Mogoñe                   | 182.15          | 1  | 0  | 5609  | 66.5                   | 74.8  | 92.6  | 10.5 | 60.6                       | 68.8 | 82.8  | 9.8  | 56.8                      | 67.2 | 83.5  | 11.6 | 17.012982             | -95.009820 |
| T. Der. Matías Romero                     | 196.00          | 1  | 0  | 8995  | 59.9                   | 68.9  | 83.5  | 10.8 | 59.2                       | 66.7 | 82.0  | 9.8  | 54.9                      | 63.0 | 81.5  | 9.7  | 16.881650             | -95.023109 |
| T. Der. Barrio de La Soledad              | 203.05          | 1  | 0  | 7995  | 47.7                   | 52.6  | 63.3  | 7.5  | 43.1                       | 49.3 | 57.2  | 7.7  | 39.2                      | 45.3 | 60.4  | 9.3  | 16.817195             | -95.033312 |
| T. Der. Barrio de La Soledad              | 203.05          | 3  | 0  | 6235  | 65.2                   | 75.4  | 92.5  | 11.4 | 60.5                       | 70.5 | 82.5  | 10.8 | 55.2                      | 65.2 | 84.4  | 11.1 | 16.812466             | -95.032504 |
| T. C. La Ventosa - Salina Cruz (Cuota)    | 236.00          | 1  | 0  | 6319  | 84.0                   | 98.5  | 120.3 | 14.7 | 76.8                       | 88.5 | 103.3 | 13.2 | 68.8                      | 83.3 | 104.7 | 15.8 | 16.595616             | -94.944706 |
| T. C. La Ventosa - Salina Cruz (Cuota)    | 236.00          | 3  | 0  | 3337  | 86.3                   | 100.6 | 122.8 | 14.5 | 77.1                       | 88.2 | 98.8  | 12.1 | 74.2                      | 84.7 | 110.7 | 12.6 | 16.576373             | -94.944926 |
| T. Izq. San Pedro Tapanatepec (2º Acceso) | 241.70          | 1  | 0  | 3974  | 66.1                   | 79.7  | 98.8  | 13.7 | 63.3                       | 75.6 | 94.1  | 13.2 | 58.8                      | 71.1 | 93.4  | 12.3 | 16.555482             | -94.948947 |
| T. Izq. San Pedro Tapanatepec (2º Acceso) | 241.70          | 3  | 0  | 6374  | 68.4                   | 81.5  | 104.6 | 13.6 | 63.9                       | 77.5 | 98.5  | 12.8 | 62.9                      | 76.7 | 104.3 | 13.7 | 16.545241             | -94.952177 |
| Juchitán de Zaragoza                      | 255.55          | 1  | 0  | 8052  | 69.1                   | 80.6  | 100.6 | 12.6 | 66.2                       | 74.6 | 93.9  | 10.6 | 65.7                      | 75.9 | 102.5 | 12.3 | 16.454204             | -95.002045 |
| Juchitán de Zaragoza                      | 255.55          | 3  | 1  | 8872  | 49.4                   | 56.5  | 70.9  | 9.6  | 49.9                       | 54.9 | 64.1  | 8.3  | 47.7                      | 56.0 | 69.3  | 10.5 | 16.437373             | -95.032288 |
| Juchitán de Zaragoza                      | 255.55          | 3  | 2  | 9108  | 49.4                   | 56.4  | 70.8  | 9.6  | 50.0                       | 55.1 | 64.2  | 8.4  | 47.4                      | 54.9 | 68.3  | 10.3 | 16.437374             | -95.032286 |
| Santo Domingo Tehuantepec                 | 283.95          | 1  | 1  | 4261  | 85.7                   | 98.9  | 119.2 | 13.6 | 83.5                       | 93.5 | 103.9 | 11.6 | 82.9                      | 96.4 | 110.1 | 14.0 | 16.347428             | -95.209221 |
| Santo Domingo Tehuantepec                 | 283.95          | 1  | 2  | 4279  | 81.1                   | 92.5  | 110.8 | 12.7 | 77.5                       | 84.0 | 94.9  | 10.0 | 75.8                      | 84.3 | 101.8 | 11.4 | 16.347422             | -95.209220 |
| Santo Domingo Tehuantepec                 | 283.95          | 3  | 1  | 9038  | 47.5                   | 51.8  | 59.1  | 6.7  | 42.5                       | 47.5 | 54.0  | 6.8  | 40.7                      | 46.8 | 57.7  | 8.4  | 16.314219             | -95.237308 |
| Santo Domingo Tehuantepec                 | 283.95          | 3  | 2  | 9269  | 49.7                   | 54.7  | 64.8  | 8.4  | 45.4                       | 50.6 | 54.7  | 6.4  | 44.3                      | 51.9 | 64.0  | 8.8  | 16.314227             | -95.237303 |
| Salina Cruz                               | 302.35          | 1  | 1  | 14333 | 63.8                   | 73.7  | 87.8  | 11.6 | 55.8                       | 64.6 | 74.9  | 10.3 | 55.0                      | 64.6 | 82.3  | 10.7 | 16.236502             | -95.213159 |
| Salina Cruz                               | 302.35          | 1  | 2  | 13481 | 69.6                   | 81.4  | 94.7  | 13.0 | 60.2                       | 70.3 | 83.1  | 11.5 | 59.6                      | 71.5 | 92.3  | 12.8 | 16.236503             | -95.213158 |

8 C A R R : Coatzacoalcos - Villahermosa

CLAVE: 00528

RUTA: MEX-180

AÑO : 2013

| L U G A R                            | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|--------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                      | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Coatzacoalcos                        | 0.00            |    |    |       |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| Caseta de Cobro Pte. Coatzacoalcos   | 3.00            | 1  | 0  | 17731 | 70.8                   | 80.9  | 98.5  | 11.6 | 68.7                       | 78.8 | 92.8  | 11.2 | 63.4                      | 73.1 | 90.1  | 11.2 | 18.116145             | -94.412483 |
| X. C. Pajaritos - Nanchital          | 6.53            | 1  | 0  | 22821 | 71.0                   | 80.8  | 98.2  | 11.3 | 68.5                       | 78.3 | 92.2  | 11.0 | 64.9                      | 74.3 | 90.5  | 10.7 | 18.102998             | -94.397242 |
| X. C. Pajaritos - Nanchital          | 6.53            | 3  | 0  | 13159 | 63.7                   | 72.8  | 91.4  | 10.5 | 62.0                       | 71.7 | 85.8  | 10.9 | 60.9                      | 69.3 | 83.6  | 10.2 | 18.093976             | -94.375945 |
| T. Der. Puente Antonio Dovalí Jaimes | 14.60           | 1  | 0  | 10074 | 70.4                   | 80.4  | 97.6  | 11.5 | 68.0                       | 77.6 | 91.1  | 10.8 | 63.8                      | 73.3 | 89.7  | 10.9 | 18.075911             | -94.323789 |
| T. Der. Puente Antonio Dovalí Jaimes | 14.60           | 3  | 1  | 8395  | 71.6                   | 81.4  | 100.5 | 11.5 | 69.3                       | 79.8 | 94.8  | 11.6 | 62.1                      | 72.5 | 92.9  | 12.1 | 18.071720             | -94.313219 |
| T. Der. Puente Antonio Dovalí Jaimes | 14.60           | 3  | 2  | 8366  | 70.7                   | 80.8  | 97.4  | 11.5 | 68.4                       | 78.3 | 89.5  | 10.9 | 64.6                      | 73.5 | 85.5  | 10.1 | 18.071759             | -94.313219 |
| T. Der. Las Choapas                  | 36.00           | 3  | 1  | 7765  | 84.9                   | 99.6  | 116.4 | 15.0 | 78.6                       | 89.6 | 102.7 | 13.6 | 75.7                      | 86.5 | 101.7 | 12.9 | 18.051840             | -94.120188 |
| T. Der. Las Choapas                  | 36.00           | 3  | 2  | 7696  | 85.6                   | 104.9 | 126.1 | 18.6 | 79.8                       | 91.3 | 107.9 | 13.6 | 78.6                      | 89.9 | 109.4 | 13.0 | 18.052541             | -94.120808 |
| Lim. Edos. Term. Ver. Ppia. Tab.     | 41.48           |    |    |       |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| T. Izq. Villa La Venta               | 47.26           | 3  | 0  | 4496  | 75.2                   | 89.3  | 105.6 | 14.3 | 73.2                       | 82.3 | 92.5  | 11.1 | 62.6                      | 72.7 | 89.8  | 10.6 | 18.061667             | -94.037111 |



VERACRUZ

8 C A R R : Coatzacoalcos - Villahermosa

CLAVE: 00528

RUTA: MEX-180

AÑO : 2013

| L U G A R                           | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|-------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                     | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. Izq. Campo Magallanes            | 65.20           | 1  | 0  | 4363  | 77.2                   | 92.3  | 110.6 | 15.7 | 66.8                       | 78.8  | 91.4  | 12.9 | 70.7                      | 82.5  | 94.8  | 13.7 | 18.076056             | -93.885000 |
| T. Izq. Campo Magallanes            | 65.20           | 3  | 0  | 5561  | 69.8                   | 86.1  | 105.3 | 16.3 | 63.5                       | 74.6  | 94.5  | 13.2 | 66.3                      | 79.5  | 94.6  | 14.0 | 18.072778             | -93.875111 |
| X. C. Agua Dulce - Cárdenas (Cuota) | 78.80           | 1  | 0  | 5668  | 74.1                   | 87.0  | 103.6 | 13.8 | 68.8                       | 79.9  | 92.4  | 12.6 | 67.8                      | 78.0  | 92.4  | 12.4 | 18.034389             | -93.818528 |
| X. C. Agua Dulce - Cárdenas (Cuota) | 78.80           | 3  | 0  | 4736  | 71.5                   | 82.6  | 100.0 | 12.4 | 68.5                       | 78.3  | 92.7  | 11.2 | 64.2                      | 74.6  | 93.4  | 12.1 | 18.028500             | -93.808111 |
| Pico de Oro                         | 88.50           | 1  | 0  | 5727  | 90.6                   | 105.1 | 125.9 | 15.7 | 79.8                       | 93.4  | 104.2 | 15.4 | 85.4                      | 98.2  | 117.8 | 13.9 | 18.017472             | -93.691250 |
| Pico de Oro                         | 88.50           | 3  | 0  | 5998  | 73.2                   | 84.2  | 102.7 | 12.0 | 69.2                       | 78.2  | 99.4  | 11.1 | 68.9                      | 79.0  | 93.9  | 11.4 | 18.019306             | -93.664194 |
| X. C. Agua Dulce - Cárdenas (Cuota) | 104.00          | 1  | 0  | 8421  | 76.6                   | 88.1  | 104.3 | 12.5 | 69.3                       | 78.0  | 88.0  | 9.9  | 69.6                      | 78.4  | 91.4  | 10.5 | 17.996750             | -93.550111 |
| X. C. Agua Dulce - Cárdenas (Cuota) | 104.00          | 3  | 1  | 9650  | 92.1                   | 107.0 | 129.2 | 14.9 | 86.2                       | 94.8  | 110.2 | 11.4 | 84.4                      | 93.8  | 112.1 | 11.2 | 17.998778             | -93.537361 |
| X. C. Agua Dulce - Cárdenas (Cuota) | 104.00          | 3  | 2  | 8812  | 113.1                  | 130.2 | 142.9 | 15.8 | 103.5                      | 114.5 | 139.2 | 11.9 | 96.7                      | 110.5 | 137.6 | 14.2 | 17.999111             | -93.541361 |
| Cárdenas                            | 122.10          | 1  | 1  | 15991 | 64.3                   | 93.1  | 115.9 | 24.2 | 62.1                       | 73.3  | 118.9 | 13.4 | 60.7                      | 76.2  | 103.7 | 12.5 | 17.999028             | -93.403722 |
| Cárdenas                            | 122.10          | 1  | 2  | 15937 | 77.0                   | 95.5  | 116.1 | 16.9 | 74.1                       | 91.0  | 109.5 | 15.8 | 72.1                      | 87.8  | 107.4 | 14.9 | 17.999333             | -93.400861 |
| Cárdenas                            | 122.10          | 3  | 1  | 19238 | 76.3                   | 95.3  | 125.7 | 19.0 | 77.4                       | 93.7  | 136.3 | 17.5 | 75.7                      | 93.8  | 134.7 | 18.1 | 17.999056             | -93.360583 |
| Cárdenas                            | 122.10          | 3  | 2  | 19338 | 85.7                   | 102.9 | 131.9 | 16.3 | 93.6                       | 111.6 | 136.8 | 17.2 | 90.3                      | 110.7 | 137.1 | 19.0 | 17.999333             | -93.360750 |
| T. Izq. Samaria                     | 132.50          | 3  | 1  | 16455 | 76.4                   | 84.9  | 141.9 | 15.9 | 78.9                       | 109.3 | 143.5 | 21.9 | 73.5                      | 83.6  | 142.6 | 18.5 | 17.996500             | -93.275472 |
| T. Izq. Samaria                     | 132.50          | 3  | 2  | 16142 | 85.6                   | 96.3  | 114.2 | 12.0 | 79.9                       | 91.2  | 106.1 | 12.6 | 77.7                      | 89.6  | 106.6 | 12.8 | 18.000139             | -93.271306 |
| Cucuyulapa                          | 134.80          | 1  | 1  | 14504 | 84.7                   | 94.7  | 117.5 | 12.1 | 84.0                       | 93.3  | 137.6 | 13.2 | 78.5                      | 87.3  | 114.5 | 12.0 | 17.998972             | -93.261528 |
| Cucuyulapa                          | 134.80          | 1  | 2  | 14452 | 93.7                   | 105.7 | 125.4 | 13.8 | 86.7                       | 94.9  | 113.9 | 12.2 | 83.3                      | 93.4  | 111.9 | 11.9 | 17.999222             | -93.261583 |
| Cucuyulapa                          | 134.80          | 3  | 1  | 14794 | 87.6                   | 101.2 | 114.8 | 14.9 | 83.2                       | 91.6  | 102.9 | 10.4 | 78.2                      | 87.3  | 103.1 | 11.3 | 17.999111             | -93.254306 |
| Cucuyulapa                          | 134.80          | 3  | 2  | 14637 | 80.8                   | 94.5  | 112.1 | 15.2 | 83.8                       | 92.5  | 102.8 | 10.8 | 79.7                      | 89.9  | 102.5 | 11.7 | 17.999250             | -93.254917 |
| T. Der. La Reforma                  | 148.80          | 1  | 1  | 19143 | 91.2                   | 106.2 | 135.1 | 15.8 | 94.5                       | 117.1 | 141.9 | 18.9 | 88.8                      | 109.2 | 140.6 | 18.5 | 17.974100             | -93.137472 |
| T. Der. La Reforma                  | 148.80          | 1  | 2  | 19324 | 85.3                   | 96.5  | 113.3 | 12.7 | 79.7                       | 90.3  | 103.7 | 11.9 | 77.3                      | 88.0  | 103.8 | 12.1 | 17.974361             | -93.137333 |
| T. Der. La Reforma                  | 148.80          | 3  | 1  | 27748 | 84.0                   | 93.5  | 108.8 | 11.0 | 80.5                       | 90.3  | 102.0 | 11.3 | 76.1                      | 86.6  | 100.6 | 11.7 | 17.973750             | -93.122194 |
| T. Der. La Reforma                  | 148.80          | 3  | 2  | 27397 | 86.7                   | 95.1  | 112.3 | 10.9 | 83.8                       | 92.6  | 112.3 | 11.0 | 80.1                      | 90.0  | 108.8 | 11.9 | 17.974000             | -93.120944 |
| Villahermosa                        | 171.15          | 1  | 1  | 35207 | 58.6                   | 76.9  | 104.8 | 21.3 | 60.5                       | 88.0  | 142.0 | 28.6 | 53.5                      | 77.0  | 136.5 | 25.9 | 17.988389             | -92.975167 |
| Villahermosa                        | 171.15          | 1  | 2  | 37001 | 71.0                   | 82.0  | 102.6 | 12.2 | 71.1                       | 83.2  | 114.9 | 13.9 | 68.0                      | 80.4  | 113.3 | 14.0 | 17.988667             | -92.975056 |

9 C A R R : Córdoba - Ent. Botica

CLAVE: 30525

RUTA: MEX-150

AÑO : 2013

| L U G A R                                    | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                              | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Córdoba                                      | 0.00            | 3  | 1  | 9526  | 76.6                   | 89.1 | 107.3 | 13.0 | 72.4                       | 83.1 | 101.6 | 12.2 | 68.7                      | 83.3 | 107.5 | 14.7 | 18.866514             | -96.904009 |
| Córdoba                                      | 0.00            | 3  | 2  | 9224  | 53.8                   | 59.8 | 70.5  | 7.5  | 45.3                       | 50.6 | 56.8  | 6.6  | 48.6                      | 52.7 | 61.9  | 8.1  | 18.866511             | -96.903922 |
| T. Der. Lib. de Yanga ( 1er. Acceso )        | 13.50           | 1  | 0  | 14221 | 61.8                   | 76.1 | 98.3  | 15.1 | 52.1                       | 61.3 | 73.4  | 11.0 | 51.7                      | 65.0 | 84.4  | 15.1 | 18.837283             | -96.815676 |
| T. Der. Libramiento de Cuitáhuac (1º Acceso) | 24.65           | 1  | 0  | 15765 | 65.0                   | 76.3 | 95.1  | 12.3 | 60.0                       | 70.8 | 84.8  | 11.6 | 60.5                      | 72.3 | 88.3  | 12.6 | 18.818121             | -96.743018 |
| Ent. La Tinaja                               | 59.80           | 1  | 0  | 7306  | 80.5                   | 93.4 | 116.9 | 13.9 | 74.2                       | 84.2 | 103.5 | 11.2 | 73.7                      | 83.1 | 103.1 | 11.0 | 18.758989             | -96.484769 |





VERACRUZ

12 C A R R : La Granja - Temascal

CLAVE: 00275

ruta: MEX-145

AÑO : 2013

| L U G A R | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-----------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|           | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Temascal  | 23.00           | 1  | 0  | 3066 | 52.7                   | 61.7 | 79.7 | 10.6 | 48.6                       | 52.8 | 55.6 | 8.3 | 49.2                      | 58.8 | 79.1 | 11.3 | 18.257677             | -96.392390 |

13 C A R R : La Tinaja - Santa Cruz

CLAVE: 30153

ruta: MEX-145

AÑO : 2013

| L U G A R                   | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-----------------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                             | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| La Tinaja                   | 0.00            | 3  | 0  | 10645 | 68.0                   | 78.4 | 96.6  | 11.8 | 64.9                       | 73.6 | 86.9 | 9.9 | 61.9                      | 70.7 | 86.9 | 10.8 | 18.753158             | -96.460108 |
| T. Der. Acatlán             | 25.95           | 3  | 0  | 11828 | 71.1                   | 81.6 | 98.4  | 11.8 | 65.5                       | 73.2 | 85.1 | 9.0 | 61.9                      | 70.7 | 84.8 | 10.3 | 18.536496             | -96.382818 |
| Tierra Blanca               | 36.00           | 3  | 0  | 11607 | 66.4                   | 75.7 | 93.8  | 11.2 | 63.9                       | 72.5 | 84.6 | 9.9 | 61.5                      | 70.6 | 87.2 | 10.9 | 18.439278             | -96.340556 |
| T. Der. Temascal            | 49.40           | 1  | 0  | 10006 | 76.9                   | 87.6 | 104.2 | 12.0 | 69.6                       | 77.0 | 88.7 | 9.7 | 66.2                      | 74.9 | 91.1 | 11.1 | 18.358139             | -96.262583 |
| T. Der. Temascal            | 49.40           | 3  | 0  | 8337  | 77.1                   | 87.6 | 104.0 | 11.8 | 69.6                       | 77.0 | 88.2 | 9.7 | 66.3                      | 74.8 | 90.9 | 10.9 | 18.352053             | -96.256812 |
| T. Izq. Tres Valles         | 68.00           | 3  | 0  | 10318 | 55.5                   | 63.2 | 79.2  | 9.2  | 50.3                       | 54.3 | 71.5 | 8.3 | 46.9                      | 53.4 | 73.1 | 9.6  | 18.232459             | -96.142089 |
| Cd. Alemán                  | 76.00           | 1  | 0  | 10481 | 52.1                   | 59.1 | 72.4  | 8.9  | 47.8                       | 52.5 | 62.5 | 7.5 | 45.3                      | 51.8 | 65.3 | 8.5  | 18.196365             | -96.104130 |
| Cd. Alemán                  | 76.00           | 3  | 0  | 3650  | 51.2                   | 59.4 | 73.1  | 10.2 | 44.9                       | 51.7 | 62.4 | 8.3 | 45.7                      | 52.9 | 65.0 | 10.3 | 18.189803             | -96.094669 |
| T. C. Buenavista - Tuxtepec | 79.00           | 1  | 0  | 4097  | 51.3                   | 59.5 | 73.1  | 10.2 | 44.2                       | 51.0 | 61.1 | 8.4 | 45.2                      | 52.6 | 65.2 | 10.4 | 18.173044             | -96.091608 |

14 C A R R : Libramiento de Cuitláhuac

CLAVE: 30738

ruta: MEX-150

AÑO : 2013

| L U G A R                                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|--------------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                            | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Córdoba - Ent. Boticaria (1º Acceso) | 0.00            | 3  | 1  | 6646 | 62.5                   | 70.8 | 83.2 | 10.0 | 59.3                       | 64.1 | 73.8 | 8.1 | 58.7                      | 64.0 | 73.9 | 8.5  | 18.816050             | -96.737955 |
| T. C. Córdoba - Ent. Boticaria (1º Acceso) | 0.00            | 3  | 2  | 6762 | 61.1                   | 72.2 | 88.5 | 12.3 | 56.4                       | 64.2 | 78.5 | 9.7 | 54.3                      | 63.5 | 79.4 | 10.6 | 18.816050             | -96.737955 |
| T. C. Córdoba - Ent. Boticaria (2º Acceso) | 3.20            |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |

15 C A R R : Libramiento de Papantla

CLAVE:

ruta: MEX-180

AÑO : 2013

| L U G A R                             | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|---------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                       | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Poza Rica - Veracruz (Poniente) | 0.00            | 3  | 0  | 3580 | 72.3                   | 81.0 | 94.1 | 10.5 | 67.7                       | 74.7 | 84.0 | 9.6 | 62.9                      | 73.6 | 86.9 | 11.8 | 20.465897             | -97.339236 |
| T. C. Poza Rica - Veracruz (Oriente)  | 6.00            | 1  | 0  | 3840 | 72.3                   | 81.0 | 94.1 | 10.5 | 67.7                       | 74.7 | 84.0 | 9.6 | 62.9                      | 73.6 | 86.9 | 11.8 | 20.453684             | -97.302363 |

## VERACRUZ

16 C A R R : Libramiento de Yanga

CLAVE: 30737

RUTA: MEX-150

AÑO : 2013

| L U G A R                                  | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|--------------------------------------------|-----------------|----|----|-------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
|                                            | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| T. C. Córdoba - Ent. Boticaria (1º Acceso) | 0.00            | 3  | 0  | 12732 | 60.4                   | 66.1 | 77.5 | 8.7 | 52.3                       | 56.1 | 64.2 | 7.0 | 52.3                      | 58.4 | 67.7 | 8.4 | 18.832068             | -96.806153 |
| T. C. Córdoba - Ent. Boticaria (2º Acceso) | 2.60            |    |    |       |                        |      |      |     |                            |      |      |     |                           |      |      |     |                       |            |

17 C A R R : Libramiento Rinconada

CLAVE: 30737

RUTA: MEX

AÑO : 2013

| L U G A R               | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|-------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                         | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Xalapa - Veracruz | 0.00            | 3  | 1  | 6700 | 111.5                  | 126.6 | 141.8 | 15.3 | 94.5                       | 102.4 | 130.5 | 10.3 | 90.8                      | 104.9 | 133.4 | 15.5 | 19.366632             | -96.576058 |
| T. C. Xalapa - Veracruz | 0.00            | 3  | 2  | 6578 | 104.3                  | 117.5 | 134.0 | 13.6 | 86.6                       | 92.1  | 101.0 | 8.3  | 80.9                      | 91.4  | 112.1 | 12.5 | 19.366736             | -96.576087 |
| T. C. Xalapa - Veracruz | 5.00            |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |

18 C A R R : Minatitlán - Coatzacoalcos (Vía Cantica)

CLAVE: 30007

RUTA: MEX-172

AÑO : 2013

| L U G A R     | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|---------------|-----------------|----|----|-------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
|               | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| Minatitlán    | 0.00            | 3  | 0  | 15851 | 56.4                   | 62.5 | 74.9 | 8.0 | 56.2                       | 62.1 | 74.2 | 7.6 | 54.5                      | 60.5 | 73.3 | 7.4 | 18.027564             | -94.558694 |
| Coatzacoalcos | 29.30           | 1  | 0  | 12375 | 57.3                   | 63.0 | 74.6 | 8.0 | 57.6                       | 62.4 | 73.6 | 7.6 | 54.8                      | 60.9 | 72.7 | 7.6 | 18.135743             | -94.526709 |

19 C A R R : Orizaba - Zongolica

CLAVE: 30708

RUTA: MEX-150

AÑO : 2013

| L U G A R | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-----------|-----------------|----|----|-------|------------------------|------|------|-----|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|           | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Orizaba   | 0.00            | 3  | 0  | 15113 | 45.7                   | 52.6 | 64.0 | 8.6 | 36.0                       | 48.6 | 54.9 | 10.7 | 42.4                      | 52.0 | 54.9 | 12.7 | 18.828754             | -97.090380 |
| Zongolica | 37.50           | 1  | 0  | 2324  | 41.0                   | 48.9 | 61.9 | 9.4 | 34.7                       | 40.2 | 51.1 | 6.5  | 37.8                      | 49.1 | 57.3 | 10.6 | 18.665583             | -97.005482 |

20 C A R R : Pachuca - Tempoal

CLAVE: 00113

RUTA: MEX-105

AÑO : 2013

| L U G A R                             | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|---------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                       | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Pachuca                               | 0.00            | 3  | 0  | 6252 | 61.9                   | 73.1 | 92.3 | 12.3 | 58.4                       | 66.9 | 81.1 | 8.7  | 55.1                      | 58.1 | 84.2 | 7.1  | 20.130462             | -98.716316 |
| T. Der. Omitlán de Juárez (1º Acceso) | 18.20           | 1  | 0  | 7977 | 51.1                   | 54.0 | 63.7 | 6.8  | 48.0                       | 51.9 | 56.0 | 6.5  | 48.3                      | 52.7 | 69.8 | 9.0  | 20.161082             | -98.654156 |
| Atotonilco El Grande                  | 33.85           | 3  | 0  | 9375 | 65.5                   | 75.8 | 93.6 | 11.5 | 59.8                       | 64.5 | 82.1 | 7.8  | 58.1                      | 68.8 | 88.7 | 11.6 | 20.300164             | -98.680205 |
| T. Izq. Metztlitlán                   | 63.70           | 1  | 0  | 4837 | 56.7                   | 62.4 | 72.6 | 7.8  | 52.6                       | 55.1 | 64.2 | 6.3  | 50.4                      | 54.9 | 64.6 | 8.4  | 20.467694             | -98.679877 |
| T. Izq. Metztlitlán                   | 63.70           | 3  | 0  | 5299 | 57.6                   | 68.4 | 83.1 | 11.4 | 51.9                       | 63.1 | 79.6 | 11.9 | 51.4                      | 61.5 | 79.8 | 11.9 | 20.470002             | -98.668212 |
| Metzquititlán                         | 75.00           | 1  | 0  | 4945 | 62.5                   | 73.8 | 93.1 | 12.4 | 59.6                       | 71.0 | 83.6 | 11.5 | 57.5                      | 66.2 | 84.9 | 9.4  | 20.526024             | -98.650233 |

VERACRUZ

20 C A R R : Pachuca - Tempoal

CLAVE: 00113

RUTA: MEX-105

AÑO : 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. Izq. Zacualtipán              | 96.50           | 1  | 0  | 5773 | 62.0                   | 73.2 | 92.7 | 12.3 | 60.1                       | 72.2 | 84.9 | 12.2 | 57.9                      | 68.3 | 89.5 | 10.6 | 20.642871             | -98.637139 |
| T. Izq. Zacualtipán              | 96.50           | 3  | 0  | 3821 | 54.9                   | 63.5 | 75.6 | 9.9  | 51.9                       | 57.6 | 69.1 | 8.3  | 50.5                      | 57.2 | 73.3 | 10.6 | 20.663469             | -98.671121 |
| X. C. Molango - Xochicoatlán     | 129.80          | 1  | 0  | 3586 | 61.7                   | 72.7 | 92.0 | 12.2 | 59.6                       | 70.5 | 83.2 | 11.0 | 57.9                      | 67.7 | 85.1 | 10.1 | 20.787089             | -98.721489 |
| X. C. Molango - Xochicoatlán     | 129.80          | 3  | 0  | 3548 | 49.1                   | 52.9 | 62.2 | 6.8  | 43.9                       | 48.0 | 54.6 | 6.0  | 42.2                      | 48.7 | 57.5 | 8.6  | 20.792926             | -98.725442 |
| T. Izq. Tepehuacán de Guerrero   | 157.70          | 1  | 0  | 2456 | 36.8                   | 43.1 | 52.6 | 9.2  | 37.9                       | 44.4 | 53.7 | 8.8  | 30.6                      | 39.6 | 51.7 | 10.8 | 20.965355             | -98.681478 |
| Tehuettlán                       | 199.20          | 1  | 0  | 2350 | 36.5                   | 41.9 | 52.9 | 7.0  | 32.9                       | 40.3 | 53.2 | 8.4  | 31.2                      | 42.2 | 53.6 | 10.9 | 21.058021             | -98.514719 |
| T. Izq. Huejutla (1º Acceso)     | 214.60          | 1  | 0  | 9427 | 30.8                   | 33.9 | 44.4 | 6.6  | 28.7                       | 32.7 | 50.9 | 7.4  | 29.8                      | 34.0 | 53.4 | 8.8  | 21.123745             | -98.411378 |
| T. Izq. Huejutla (1º Acceso)     | 214.60          | 3  | 0  | 8571 | 57.7                   | 66.7 | 84.6 | 10.9 | 54.4                       | 62.7 | 76.3 | 9.5  | 53.9                      | 63.0 | 86.0 | 11.2 | 21.155523             | -98.413542 |
| Lim. Edos. Term. Hgo. Ppia. Ver. | 217.20          |    |    |      |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |            |
| T. C. Alazán - Canoas            | 260.68          | 1  | 0  | 1803 | 40.4                   | 50.7 | 68.3 | 11.7 | 31.8                       | 43.7 | 54.2 | 12.3 | 29.8                      | 42.8 | 54.5 | 12.7 | 21.491657             | -98.357821 |

21 C A R R : Pachuca - Tuxpam

CLAVE: 00608

RUTA: MEX-130

AÑO : 2013

| L U G A R                          | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                    | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| Pachuca                            | 0.00            |    |    |       |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| X. C. Libramiento de Pachuca       | 2.60            | 3  | 1  | 16319 | 60.4                   | 65.9  | 82.8  | 9.2  | 54.0                       | 60.5  | 84.4  | 9.1  | 54.3                      | 60.0  | 84.5  | 8.3  | 20.087268             | -98.713553 |
| X. C. Libramiento de Pachuca       | 2.60            | 3  | 2  | 16445 | 70.9                   | 82.7  | 101.0 | 13.1 | 69.0                       | 81.0  | 99.4  | 13.1 | 65.1                      | 77.5  | 99.9  | 12.8 | 20.087219             | -98.713294 |
| T. Izq. Pachuquilla (1º Acceso)    | 7.00            | 1  | 1  | 12524 | 60.6                   | 66.3  | 83.3  | 9.2  | 54.9                       | 62.3  | 90.4  | 9.5  | 54.4                      | 59.7  | 80.8  | 7.9  | 20.078004             | -98.709718 |
| T. Izq. Pachuquilla (1º Acceso)    | 7.00            | 1  | 2  | 13012 | 70.9                   | 82.7  | 100.8 | 13.0 | 69.6                       | 81.5  | 101.9 | 13.4 | 63.8                      | 76.1  | 98.7  | 13.2 | 20.078002             | -98.709717 |
| T. Izq. Pachuquilla (2º Acceso)    | 10.50           | 1  | 1  | 9106  | 60.3                   | 65.6  | 82.3  | 9.1  | 54.5                       | 61.8  | 90.1  | 9.6  | 54.2                      | 58.9  | 80.8  | 7.7  | 20.066869             | -98.672695 |
| T. Izq. Pachuquilla (2º Acceso)    | 10.50           | 1  | 2  | 8922  | 71.3                   | 82.8  | 101.1 | 12.9 | 69.0                       | 80.6  | 99.0  | 12.9 | 65.6                      | 78.5  | 101.5 | 13.4 | 20.066872             | -98.672684 |
| T. Der. Cd. Sahagún                | 16.59           | 1  | 1  | 6967  | 60.5                   | 65.9  | 82.9  | 9.1  | 54.2                       | 61.0  | 88.7  | 9.5  | 54.0                      | 59.4  | 81.1  | 8.2  | 20.053631             | -98.623716 |
| T. Der. Cd. Sahagún                | 16.59           | 1  | 2  | 7069  | 71.0                   | 82.8  | 100.9 | 13.0 | 69.7                       | 81.5  | 101.4 | 13.2 | 66.2                      | 79.1  | 101.1 | 13.4 | 20.053633             | -98.623716 |
| T. C. Venta de Carpio - Tulancingo | 36.45           | 1  | 1  | 7283  | 60.7                   | 66.4  | 83.5  | 9.2  | 54.4                       | 61.6  | 90.3  | 9.7  | 54.1                      | 59.9  | 81.2  | 8.2  | 20.056370             | -98.461269 |
| T. C. Venta de Carpio - Tulancingo | 36.45           | 1  | 2  | 7188  | 71.1                   | 82.8  | 101.3 | 13.0 | 70.3                       | 82.1  | 102.4 | 13.2 | 65.0                      | 77.9  | 99.6  | 12.8 | 20.056363             | -98.461260 |
| T. C. Venta de Carpio - Tulancingo | 36.45           | 3  | 1  | 12689 | 94.5                   | 107.0 | 129.1 | 13.3 | 94.2                       | 109.3 | 132.9 | 15.0 | 81.8                      | 101.7 | 125.2 | 19.1 | 20.063271             | -98.438846 |
| T. C. Venta de Carpio - Tulancingo | 36.45           | 3  | 2  | 12963 | 71.7                   | 80.9  | 94.9  | 10.7 | 64.7                       | 72.9  | 87.7  | 9.5  | 58.7                      | 69.1  | 84.5  | 11.6 | 20.063398             | -98.438945 |
| T. Izq. Libramiento de Tulancingo  | 53.70           | 3  | 1  | 7300  | 61.0                   | 67.2  | 84.3  | 9.3  | 54.4                       | 61.5  | 89.0  | 9.5  | 53.9                      | 59.2  | 80.2  | 8.0  | 20.151602             | -98.285124 |
| T. Izq. Libramiento de Tulancingo  | 53.70           | 3  | 2  | 7374  | 70.9                   | 82.7  | 101.1 | 13.1 | 70.2                       | 82.1  | 102.1 | 13.3 | 65.1                      | 78.2  | 98.9  | 12.8 | 20.151691             | -98.285021 |
| T. Izq. Huayacocotla               | 66.42           | 3  | 0  | 10327 | 65.8                   | 76.2  | 95.4  | 11.4 | 62.8                       | 76.1  | 99.7  | 13.9 | 60.5                      | 72.3  | 95.8  | 12.6 | 20.155030             | -98.282960 |
| Lim. Edos. Term. Hgo. Ppia. Pue.   | 83.18           |    |    |       |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| T. Der. Huauchinango (1º Acceso)   | 94.00           | 1  | 0  | 12982 | 50.8                   | 57.0  | 71.3  | 9.0  | 43.5                       | 49.7  | 62.6  | 7.9  | 43.9                      | 51.6  | 63.3  | 9.8  | 20.168785             | -98.074932 |
| T. Der. Huauchinango (2º Acceso)   | 100.00          | 3  | 0  | 8545  | 46.4                   | 52.0  | 62.6  | 7.4  | 41.9                       | 48.9  | 59.2  | 8.9  | 42.7                      | 51.0  | 59.3  | 10.4 | 20.193475             | -98.035947 |
| Villa Ávila Camacho                | 141.75          | 1  | 0  | 6634  | 45.6                   | 53.8  | 67.5  | 9.8  | 40.8                       | 48.2  | 59.2  | 9.4  | 37.4                      | 46.7  | 59.7  | 10.2 | 20.384088             | -97.884217 |

## VERACRUZ

21 C A R R : Pachuca - Túxpam

CLAVE: 00608

RUTA: MEX-130

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Villa Ávila Camacho              | 141.75          | 3  | 0  | 7607  | 63.8                   | 74.1 | 91.8  | 11.7 | 59.2                       | 69.9 | 83.9  | 11.7 | 55.2                      | 64.5 | 81.5  | 10.7 | 20.394926             | -97.872733 |
| Piedras Negras                   | 158.70          | 1  | 0  | 6776  | 50.4                   | 59.5 | 73.3  | 11.0 | 45.3                       | 52.2 | 61.6  | 8.7  | 41.8                      | 50.8 | 63.5  | 10.8 | 20.438372             | -97.763481 |
| T. Izq. Venustiano Carranza      | 174.10          | 3  | 0  | 8358  | 84.8                   | 98.2 | 121.2 | 13.3 | 79.0                       | 90.1 | 103.3 | 12.1 | 75.7                      | 85.9 | 103.7 | 11.7 | 20.485078             | -97.633572 |
| Lim. Edos. Term. Pue. Ppia. Ver. | 180.00          |    |    |       |                        |      |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| T. Der. Poza Rica                | 197.00          | 1  | 0  | 25657 | 55.0                   | 62.4 | 78.1  | 8.7  | 50.6                       | 57.3 | 71.5  | 9.1  | 48.5                      | 54.7 | 70.9  | 9.2  | 20.519549             | -97.492854 |
| T. Der. Poza Rica                | 197.00          | 3  | 0  | 28249 | 54.0                   | 61.3 | 77.9  | 8.9  | 51.3                       | 57.0 | 70.5  | 8.3  | 51.3                      | 58.3 | 74.1  | 9.5  | 20.561078             | -97.477005 |
| Tihuatlán                        | 217.00          | 1  | 0  | 11565 | 80.7                   | 91.5 | 109.7 | 12.1 | 73.8                       | 83.3 | 94.6  | 10.7 | 73.8                      | 83.2 | 101.9 | 10.9 | 20.697736             | -97.527301 |
| Tihuatlán                        | 217.00          | 3  | 0  | 2682  | 69.1                   | 87.6 | 110.7 | 16.7 | 60.7                       | 70.4 | 99.9  | 10.9 | 66.8                      | 86.5 | 112.6 | 16.8 | 20.733386             | -97.523901 |
| T. C. Tihuatlán - Tuxpam (Cuota) | 232.50          | 1  | 0  | 2963  | 69.2                   | 87.6 | 110.8 | 16.7 | 61.9                       | 76.4 | 100.1 | 11.8 | 66.2                      | 85.5 | 111.7 | 16.5 | 20.814217             | -97.477148 |

22 C A R R : Papantla - El Chote

CLAVE: 30740

RUTA: MEX-180

AÑO: 2013

| L U G A R | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|-----------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
|           | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| Papantla  | 0.00            | 3  | 0  | 6301 | 58.6                   | 63.8 | 74.8 | 8.2 | 59.4                       | 63.6 | 72.9 | 7.4 | 56.4                      | 62.7 | 74.1 | 8.9 | 20.428914             | -97.333839 |
| El Chote  | 8.60            |    |    |      |                        |      |      |     |                            |      |      |     |                           |      |      |     |                       |            |

23 C A R R : Paso del Toro - Acayucan

CLAVE: 30527

RUTA: MEX-180

AÑO: 2013

| L U G A R                  | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                            | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Paso del Toro              | 0.00            | 3  | 0  | 10583 | 72.4                   | 82.6  | 103.4 | 11.6 | 71.0                       | 79.3 | 96.5  | 10.5 | 69.2                      | 78.6 | 101.1 | 11.8 | 19.017853             | -96.128155 |
| Salinas                    | 25.30           | 1  | 0  | 6170  | 82.5                   | 99.8  | 129.5 | 16.5 | 75.4                       | 92.2 | 121.7 | 16.1 | 74.4                      | 92.3 | 127.3 | 17.1 | 18.893147             | -95.947484 |
| Alvarado                   | 48.60           | 1  | 0  | 6912  | 69.3                   | 84.5  | 105.9 | 15.8 | 71.1                       | 83.4 | 101.6 | 13.7 | 68.0                      | 82.8 | 106.8 | 15.7 | 18.783278             | -95.784046 |
| Puente Alvarado            | 49.57           | 2  | 0  | 4468  |                        |       |       |      |                            |      |       |      |                           |      |       |      | 18.769901             | -95.744541 |
| T. Der. Puente Tlacotalpan | 64.96           | 1  | 0  | 4683  | 95.6                   | 114.0 | 140.2 | 16.7 | 84.8                       | 99.7 | 129.9 | 14.4 | 84.1                      | 99.3 | 136.5 | 15.5 | 18.721048             | -95.645497 |
| Cd. Lerdo de Tejada        | 81.70           | 3  | 0  | 8842  | 73.4                   | 86.1  | 110.9 | 13.7 | 70.7                       | 80.9 | 99.9  | 11.7 | 70.2                      | 82.8 | 109.6 | 13.9 | 18.622417             | -95.503722 |
| Santiago Tuxtla            | 119.35          | 1  | 0  | 5123  | 56.8                   | 63.0  | 74.5  | 8.3  | 52.2                       | 55.2 | 64.8  | 6.9  | 51.7                      | 56.7 | 72.0  | 8.7  | 18.472139             | -95.298361 |
| Santiago Tuxtla            | 119.35          | 3  | 0  | 6976  | 54.6                   | 61.7  | 73.9  | 8.3  | 50.9                       | 57.1 | 69.8  | 8.7  | 50.8                      | 57.5 | 73.3  | 10.0 | 18.464452             | -95.293064 |
| Catemaco                   | 146.40          | 1  | 0  | 10243 | 46.9                   | 53.9  | 73.0  | 9.4  | 44.7                       | 52.3 | 65.7  | 8.9  | 45.1                      | 52.6 | 76.6  | 10.4 | 18.428111             | -95.124222 |
| Catemaco                   | 146.40          | 3  | 0  | 4293  | 65.4                   | 73.9  | 91.3  | 10.1 | 63.1                       | 70.5 | 84.9  | 9.3  | 64.5                      | 74.1 | 99.0  | 11.5 | 18.412667             | -95.121639 |
| Acayucan                   | 225.04          | 1  | 0  | 9038  | 66.2                   | 76.1  | 93.5  | 11.6 | 64.4                       | 72.6 | 84.1  | 9.1  | 65.0                      | 74.9 | 95.4  | 11.6 | 17.972427             | -94.919589 |

VERACRUZ

24 C A R R : Ramal a Antón Lizardo

CLAVE: 30277

RUTA: MEX-150

AÑO: 2013

| L U G A R                      | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|--------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Córdoba - Ent. Boticaria | 0.00            | 3  | 0  | 6081 | 71.3                   | 89.0 | 113.2 | 16.5 | 68.4                       | 86.9 | 108.8 | 16.0 | 66.7                      | 85.3 | 118.0 | 17.0 | 19.056224             | -96.058228 |
| Antón Lizardo                  | 15.00           | 1  | 0  | 4380 | 46.6                   | 53.3 | 67.4  | 8.8  | 46.6                       | 51.9 | 60.9  | 7.5  | 46.4                      | 52.7 | 63.4  | 9.0  | 19.057956             | -95.998103 |

25 C A R R : Ramal a El Higo

CLAVE: 30013

RUTA: MEX

AÑO: 2013

| L U G A R              | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|-----|-----------------------|------------|
|                        | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| T. C. Tempoal - Canoas | 0.00            | 3  | 0  | 1866 | 45.5                   | 52.1 | 62.3 | 8.1  | 39.5                       | 44.8 | 53.9 | 9.3  | 46.5                      | 52.3 | 54.7 | 9.3 | 21.762120             | -98.344317 |
| El Higo                | 13.00           | 1  | 0  | 3840 | 44.1                   | 52.9 | 72.0 | 10.7 | 46.7                       | 54.1 | 77.9 | 11.2 | 48.4                      | 53.2 | 65.3 | 9.7 | 21.777139             | -98.446274 |

26 C A R R : Ramal a Hueyapan de Ocampo

CLAVE: 30712

RUTA: MEX-180

AÑO: 2013

| L U G A R                      | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|--------------------------------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Paso del Toro - Acayucan | 0.00            | 3  | 0  | 3274 | 39.4                   | 45.5 | 61.3 | 9.1 | 41.1                       | 49.7 | 54.5 | 9.8 | 41.8                      | 51.2 | 59.4 | 11.4 | 18.148322             | -95.163080 |
| Hueyapan                       | 2.00            |    |    |      |                        |      |      |     |                            |      |      |     |                           |      |      |      |                       |            |

27 C A R R : Ramal a Puente Tampico

CLAVE: 28020

RUTA: MEX-180

AÑO: 2013

| L U G A R              | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                        | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Tuxpam - Tampico | 0.00            | 3  | 1  | 4337 | 72.6                   | 84.6 | 104.6 | 13.1 | 75.9                       | 87.6 | 100.0 | 13.0 | 62.7                      | 74.9 | 97.3  | 13.6 | 22.190407             | -97.823981 |
| T. C. Tuxpam - Tampico | 0.00            | 3  | 2  | 4315 | 66.2                   | 79.8 | 99.1  | 13.8 | 68.6                       | 81.8 | 93.4  | 14.4 | 45.0                      | 64.0 | 90.4  | 17.2 | 22.190279             | -97.824068 |
| Puente Tampico         | 6.00            | 1  | 1  | 4550 | 72.9                   | 81.9 | 96.1  | 10.6 | 69.7                       | 77.0 | 86.9  | 9.7  | 64.7                      | 74.6 | 92.7  | 11.4 | 22.221728             | -97.827140 |
| Puente Tampico         | 6.00            | 1  | 2  | 4700 | 76.0                   | 87.9 | 107.8 | 12.6 | 74.4                       | 84.8 | 97.7  | 11.2 | 72.8                      | 85.5 | 106.5 | 13.9 | 22.221709             | -97.827251 |

28 C A R R : Ramal a Tecolutla

CLAVE: 30531

RUTA: MEX-180

AÑO: 2013

| L U G A R        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|-------|------|-----------------------|------------|
|                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Gutiérrez Zamora | 0.00            | 3  | 0  | 4420 | 65.8                   | 79.6 | 99.1  | 13.9 | 63.0                       | 74.0 | 90.6 | 12.0 | 58.4                      | 71.3 | 91.4  | 12.7 | 20.466155             | -97.081771 |
| Tecolutla        | 11.50           | 1  | 0  | 3425 | 71.9                   | 83.8 | 103.1 | 13.3 | 63.3                       | 73.5 | 93.8 | 11.5 | 64.9                      | 74.8 | 101.6 | 12.2 | 20.477297             | -97.021058 |

## VERACRUZ

29 C A R R : Ramal a Zapotlalillo

CLAVE: 30734

RUTA: MEX

AÑO: 2013

| L U G A R              | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|------------------------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
|                        | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| T. C. Pachuca - Tuxpam | 0.00            | 3  | 0  | 2552 | 42.1                   | 49.0 | 61.7 | 8.9 | 40.7                       | 44.8 | 53.6 | 7.4 | 39.5                      | 47.7 | 57.8 | 9.9 | 20.663213             | -97.526784 |
| Zapotlalillo           | 4.00            |    |    |      |                        |      |      |     |                            |      |      |     |                           |      |      |     |                       |            |

30 C A R R : San Hipólito - Xalapa

CLAVE: 00486

RUTA: MEX-140

AÑO: 2013

| L U G A R                           | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|-------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                     | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Puebla - Tehuacán             | 0.00            | 3  | 0  | 9210  | 68.8                   | 77.5  | 94.3  | 10.8 | 64.9                       | 72.7 | 84.0  | 8.7  | 63.4                      | 72.4 | 87.0  | 10.5 | 18.930745             | -97.858071 |
| X. C. Puebla - Córdoba (Cuota)      | 7.86            | 3  | 1  | 9921  | 54.2                   | 59.1  | 70.4  | 6.5  | 53.1                       | 56.7 | 64.8  | 6.5  | 50.4                      | 54.8 | 64.9  | 8.0  | 18.977084             | -97.804735 |
| X. C. Puebla - Córdoba (Cuota)      | 7.86            | 3  | 2  | 9542  | 55.2                   | 62.0  | 74.1  | 8.0  | 48.8                       | 54.4 | 66.1  | 8.8  | 46.2                      | 54.1 | 69.4  | 10.0 | 18.977199             | -97.804777 |
| San Salvador El Seco                | 35.35           | 1  | 0  | 8325  | 75.4                   | 83.4  | 105.0 | 9.4  | 83.2                       | 93.9 | 111.4 | 11.2 | 76.0                      | 84.7 | 109.0 | 11.2 | 19.126804             | -97.654179 |
| Zacatepec                           | 54.20           | 1  | 0  | 7283  | 79.8                   | 91.2  | 108.2 | 12.4 | 71.4                       | 79.9 | 93.3  | 10.2 | 69.0                      | 78.5 | 94.5  | 11.4 | 19.258744             | -97.536014 |
| Zacatepec                           | 54.20           | 3  | 1  | 4875  | 67.6                   | 76.0  | 89.3  | 10.6 | 48.8                       | 52.4 | 59.3  | 6.5  | 47.0                      | 51.0 | 56.7  | 5.9  | 19.271299             | -97.528630 |
| Zacatepec                           | 54.20           | 3  | 2  | 4371  | 68.2                   | 76.4  | 89.3  | 10.3 | 58.0                       | 64.1 | 74.4  | 9.1  | 56.2                      | 62.6 | 73.9  | 8.1  | 19.271408             | -97.528820 |
| Alchichica                          | 80.00           | 3  | 1  | 4221  | 90.8                   | 103.8 | 123.8 | 14.4 | 84.5                       | 96.4 | 115.4 | 12.4 | 79.9                      | 89.0 | 107.4 | 11.8 | 19.458624             | -97.384598 |
| Alchichica                          | 80.00           | 3  | 2  | 4194  | 96.0                   | 109.2 | 131.6 | 14.1 | 88.3                       | 99.0 | 113.5 | 11.7 | 82.4                      | 94.2 | 122.2 | 13.5 | 19.458671             | -97.384785 |
| Lim. Edos. Term. Pue. Ppia. Ver.    | 83.25           |    |    |       |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| San Antonio Limón                   | 89.60           | 1  | 0  | 7393  | 82.6                   | 93.0  | 110.4 | 11.9 | 71.2                       | 80.3 | 92.9  | 10.6 | 67.4                      | 77.9 | 93.8  | 11.8 | 19.494306             | -97.354232 |
| Perote                              | 101.70          | 1  | 0  | 9127  | 73.5                   | 83.5  | 99.7  | 11.3 | 64.9                       | 73.5 | 86.5  | 10.0 | 64.3                      | 74.2 | 94.9  | 11.8 | 19.554501             | -97.257609 |
| Perote                              | 101.70          | 3  | 0  | 10263 | 64.1                   | 78.2  | 95.2  | 14.2 | 65.4                       | 75.1 | 93.8  | 11.6 | 58.6                      | 72.7 | 102.8 | 14.9 | 19.572278             | -97.235041 |
| T. Izq. Villa Aldama                | 109.50          | 1  | 0  | 7082  | 77.9                   | 90.5  | 109.8 | 13.3 | 65.6                       | 74.8 | 89.2  | 10.6 | 67.8                      | 80.2 | 98.3  | 13.3 | 19.614585             | -97.189916 |
| T. C. Libramiento de Perote (Cuota) | 110.70          | 3  | 1  | 7355  | 50.3                   | 60.2  | 73.4  | 11.4 | 41.7                       | 51.1 | 63.0  | 11.1 | 43.7                      | 52.6 | 63.8  | 10.8 | 19.629270             | -97.176101 |
| T. C. Libramiento de Perote (Cuota) | 110.70          | 3  | 2  | 7341  | 50.2                   | 60.0  | 73.3  | 11.3 | 41.5                       | 51.1 | 63.2  | 11.2 | 43.4                      | 52.3 | 63.6  | 10.7 | 19.629289             | -97.176233 |
| Banderilla                          | 145.00          | 1  | 0  | 16528 | 66.5                   | 75.8  | 94.1  | 11.2 | 59.8                       | 68.3 | 81.9  | 9.7  | 55.9                      | 70.9 | 92.9  | 15.0 | 19.589153             | -96.967338 |
| T. Izq. Naolinco                    | 146.00          | 3  | 1  | 17275 | 57.9                   | 63.5  | 79.1  | 8.8  | 54.2                       | 60.4 | 71.2  | 7.5  | 53.4                      | 60.5 | 72.5  | 8.6  | 19.593069             | -96.951969 |
| T. Izq. Naolinco                    | 146.00          | 3  | 2  | 16724 | 56.0                   | 62.4  | 77.1  | 8.8  | 49.7                       | 54.7 | 66.4  | 8.7  | 47.3                      | 54.1 | 67.2  | 9.6  | 19.593007             | -96.951936 |
| Xalapa                              | 151.20          | 1  | 1  | 21039 | 70.3                   | 83.7  | 103.1 | 14.2 | 66.1                       | 78.3 | 91.9  | 12.4 | 66.7                      | 80.5 | 102.5 | 14.8 | 19.570243             | -96.929083 |
| Xalapa                              | 151.20          | 1  | 2  | 20238 | 62.2                   | 74.2  | 92.3  | 13.3 | 59.8                       | 71.2 | 84.8  | 12.3 | 56.7                      | 69.2 | 88.2  | 13.6 | 19.570343             | -96.928914 |

31 C A R R : San Pablo Villa de Mitla - T. C. (Tuxtepec - Palomares)

CLAVE: 00106

RUTA: MEX-179

AÑO: 2013

| L U G A R                    | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|------|-----|---------------------------|------|-------|------|-----------------------|------------|
|                              | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Oaxaca - Tehuantepec   | 0.00            | 3  | 0  | 3115 | 69.1                   | 82.5 | 102.2 | 14.1 | 58.4                       | 62.4 | 80.7 | 6.6 | 65.7                      | 79.4 | 107.3 | 13.7 | 16.918229             | -96.393157 |
| San Pedro y San Pablo Ayutla | 55.00           | 1  | 0  | 1477 | 42.1                   | 46.3 | 54.2  | 7.2  | 41.1                       | 49.6 | 54.3 | 9.6 | 43.0                      | 51.1 | 54.5  | 10.2 | 17.021039             | -96.082513 |



VERACRUZ

31 C A R R : San Pablo Villa de Mitla - T. C. (Tuxtepec - Palomares)

CLAVE: 00106

RUTA: MEX-179

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|------|---------------------------|------|------|-----|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| T. Der. Zacatepec                | 90.00           | 1  | 0  | 1774 | 44.4                   | 51.6 | 63.3 | 8.4 | 44.7                       | 51.9 | 54.7 | 10.0 | 50.0                      | 53.1 | 54.8 | 7.7 | 17.148339             | -96.035539 |
| Lim. Edos. Term. Oax. Ppia. Ver. | 217.70          |    |    |      |                        |      |      |     |                            |      |      |      |                           |      |      |     |                       |            |
| T. C. Tuxtepec - Ent. Palomares  | 238.70          | 1  | 0  | 1704 | 47.4                   | 53.5 | 64.9 | 9.1 | 55.0                       | 53.5 | 54.8 | 0.0  | 50.1                      | 53.4 | 61.3 | 7.4 | 17.699629             | -95.734753 |

32 C A R R : Tamarindo - José Cardel

CLAVE: 30193

RUTA: MEX-180

AÑO: 2013

| L U G A R   | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|-------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|             | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| Tamarindo   | 0.00            | 3  | 1  | 7775 | 118.1                  | 137.8 | 144.0 | 17.8 | 113.9                      | 137.2 | 144.0 | 19.5 | 105.4                     | 130.8 | 143.3 | 19.4 | 19.340023             | -96.482918 |
| Tamarindo   | 0.00            | 3  | 2  | 7768 | 108.2                  | 126.1 | 142.2 | 17.1 | 94.8                       | 104.7 | 138.6 | 13.6 | 87.5                      | 106.4 | 138.8 | 18.3 | 19.340127             | -96.483045 |
| José Cardel | 14.25           | 1  | 1  | 9159 | 106.1                  | 123.8 | 141.5 | 16.5 | 92.4                       | 100.9 | 128.2 | 11.6 | 91.8                      | 104.5 | 135.0 | 14.7 | 19.364598             | -96.398270 |
| José Cardel | 14.25           | 1  | 2  | 8882 | 94.8                   | 107.4 | 124.8 | 13.0 | 86.4                       | 93.8  | 111.6 | 11.0 | 82.2                      | 93.7  | 117.0 | 13.3 | 19.364643             | -96.398353 |

33 C A R R : Tehuacán - Córdoba

CLAVE: 00534

RUTA: MEX-150

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Tehuacán                         | 0.00            | 3  | 0  | 13258 | 46.9                   | 55.3 | 71.7  | 10.1 | 41.9                       | 50.0 | 63.0  | 9.4  | 39.9                      | 48.8 | 61.9  | 10.0 | 18.500969             | -97.405507 |
| Chapulco                         | 18.27           | 3  | 0  | 7723  | 59.3                   | 71.8 | 94.7  | 13.2 | 53.4                       | 53.5 | 67.2  | 4.0  | 54.5                      | 69.6 | 97.9  | 14.3 | 18.629259             | -97.402401 |
| T. Izq. Azumbilla                | 20.51           | 3  | 0  | 2255  | 67.5                   | 79.6 | 98.0  | 12.6 | 62.0                       | 71.7 | 84.6  | 11.0 | 59.8                      | 70.7 | 87.8  | 11.3 | 18.647982             | -97.387718 |
| Lim. Edos. Term. Pue. Ppia. Ver. | 26.58           |    |    |       |                        |      |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| Cd. Mendoza                      | 53.31           | 1  | 0  | 11360 | 55.2                   | 67.2 | 91.4  | 12.4 | 57.4                       | 69.5 | 90.0  | 12.3 | 55.5                      | 68.4 | 98.2  | 13.4 | 18.790233             | -97.196097 |
| Cd. Mendoza                      | 53.31           | 3  | 1  | 7548  | 44.3                   | 50.7 | 62.9  | 7.8  | 45.8                       | 51.3 | 63.8  | 8.2  | 44.5                      | 51.1 | 61.5  | 8.2  | 18.810403             | -97.172608 |
| Cd. Mendoza                      | 53.31           | 3  | 2  | 7444  | 44.5                   | 50.6 | 61.8  | 7.4  | 42.4                       | 44.8 | 54.3  | 6.6  | 43.2                      | 48.8 | 54.9  | 7.5  | 18.810453             | -97.172653 |
| Orizaba                          | 63.52           | 1  | 1  | 18825 | 39.2                   | 43.5 | 54.6  | 7.4  | 36.6                       | 40.7 | 52.8  | 6.4  | 35.1                      | 44.0 | 53.9  | 8.4  | 18.839165             | -97.118737 |
| Orizaba                          | 63.52           | 1  | 2  | 18271 | 45.3                   | 51.8 | 64.5  | 7.9  | 37.2                       | 43.5 | 54.2  | 9.1  | 34.5                      | 48.1 | 54.5  | 13.3 | 18.839096             | -97.118916 |
| Orizaba                          | 63.52           | 3  | 1  | 19120 | 37.2                   | 42.2 | 53.1  | 7.2  | 32.9                       | 34.8 | 44.7  | 6.3  | 33.1                      | 36.3 | 49.3  | 6.7  | 18.860158             | -97.064555 |
| Orizaba                          | 63.52           | 3  | 2  | 18005 | 37.2                   | 42.3 | 53.3  | 7.3  | 33.0                       | 34.9 | 44.7  | 6.4  | 33.0                      | 36.0 | 49.4  | 6.7  | 18.860084             | -97.064541 |
| Fortín                           | 80.24           | 1  | 0  | 5783  | 61.3                   | 72.6 | 93.3  | 12.2 | 53.2                       | 54.1 | 78.7  | 6.2  | 59.1                      | 75.1 | 103.3 | 14.9 | 18.892226             | -97.012045 |
| Fortín                           | 80.24           | 3  | 1  | 13164 | 71.0                   | 80.6 | 100.8 | 11.4 | 70.9                       | 83.7 | 101.9 | 13.2 | 73.4                      | 88.3 | 112.4 | 14.9 | 18.902311             | -96.987463 |
| Fortín                           | 80.24           | 3  | 2  | 13117 | 51.4                   | 54.4 | 64.3  | 6.9  | 44.2                       | 47.4 | 56.6  | 5.4  | 47.1                      | 52.9 | 64.0  | 8.0  | 18.902390             | -96.987460 |
| Córdoba                          | 86.76           | 1  | 1  | 13426 | 51.6                   | 57.3 | 70.3  | 8.3  | 44.6                       | 50.2 | 59.1  | 6.8  | 45.1                      | 51.2 | 62.1  | 7.4  | 18.902569             | -96.979340 |
| Córdoba                          | 86.76           | 1  | 2  | 12169 | 50.0                   | 58.6 | 73.5  | 9.9  | 44.2                       | 54.9 | 71.1  | 10.4 | 44.8                      | 54.3 | 71.7  | 10.1 | 18.902499             | -96.979370 |

## VERACRUZ

34 C A R R : Teziutlán - Nautla

CLAVE: 00144

RUTA: MEX-129

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|-------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Teziutlán                        | 0.00            | 3  | 0  | 6720  | 49.9                   | 56.6 | 67.5 | 9.5  | 49.2                       | 53.1 | 61.8 | 7.5  | 46.2                      | 53.1 | 63.8 | 10.1 | 19.836073             | -97.341396 |
| Lim. Edos. Term. Pue. Ppia. Ver. | 17.50           |    |    |       |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |            |
| Tlapacoyan                       | 33.20           | 1  | 0  | 5491  | 62.1                   | 72.8 | 93.6 | 12.2 | 59.4                       | 67.2 | 78.0 | 9.1  | 57.4                      | 67.1 | 84.2 | 11.3 | 19.954261             | -97.219961 |
| Tlapacoyan                       | 33.20           | 3  | 0  | 10145 | 62.0                   | 72.6 | 92.7 | 12.0 | 60.3                       | 69.7 | 82.5 | 10.5 | 56.5                      | 66.7 | 85.5 | 11.9 | 19.978335             | -97.202646 |
| Martínez de La Torre             | 58.00           | 3  | 0  | 15602 | 51.0                   | 59.6 | 79.1 | 10.6 | 49.4                       | 55.6 | 69.5 | 9.4  | 47.8                      | 55.5 | 72.9 | 10.7 | 20.087400             | -97.022622 |
| San Rafael                       | 84.40           | 3  | 0  | 7920  | 55.6                   | 69.3 | 91.9 | 14.0 | 53.6                       | 62.6 | 84.2 | 11.7 | 49.0                      | 60.5 | 80.2 | 13.4 | 20.197392             | -96.868298 |
| T. C. Poza Rica - Veracruz       | 93.20           | 1  | 0  | 4874  | 73.1                   | 83.0 | 99.7 | 11.4 | 63.7                       | 72.1 | 83.2 | 9.6  | 62.5                      | 72.1 | 86.7 | 10.8 | 20.232964             | -96.794522 |

35 C A R R : Teziutlán - Perote

CLAVE: 00209

RUTA: MEX-131

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Teziutlán                        | 0.00            | 3  | 0  | 9589 | 42.6                   | 43.9 | 52.8  | 5.2  | 44.5                       | 48.8 | 54.3 | 5.6  | 41.2                      | 44.7 | 55.8  | 8.0  | 19.790657             | -97.352525 |
| Lim. Edos. Term. Pue. Ppia. Ver. | 11.30           |    |    |      |                        |      |       |      |                            |      |      |      |                           |      |       |      |                       |            |
| Jalacingo                        | 12.50           | 3  | 0  | 6816 | 65.3                   | 79.0 | 97.9  | 13.7 | 60.6                       | 69.6 | 84.3 | 9.8  | 58.1                      | 69.7 | 91.8  | 11.7 | 19.791910             | -97.297067 |
| T. Izq. Atzalan                  | 23.00           | 3  | 0  | 9492 | 44.2                   | 52.1 | 67.0  | 9.2  | 39.4                       | 48.2 | 54.9 | 9.7  | 37.4                      | 47.5 | 62.3  | 11.1 | 19.778252             | -97.250634 |
| T. Izq. Altotonga II             | 26.90           | 3  | 0  | 8672 | 61.7                   | 70.8 | 83.6  | 10.8 | 49.7                       | 59.2 | 71.4 | 11.2 | 48.6                      | 60.2 | 74.4  | 13.4 | 19.766042             | -97.251508 |
| T. Izq. Villa Aldama             | 37.60           | 3  | 0  | 5321 | 72.1                   | 84.9 | 103.5 | 14.1 | 68.1                       | 79.3 | 91.9 | 12.1 | 64.6                      | 77.3 | 94.1  | 13.7 | 19.661747             | -97.247082 |
| Perote                           | 49.10           | 1  | 0  | 5683 | 72.5                   | 86.6 | 111.3 | 14.6 | 67.4                       | 78.1 | 94.4 | 11.6 | 66.4                      | 80.5 | 106.9 | 14.4 | 19.580146             | -97.248761 |

36 C A R R : Tihuatlán - Castillo de Teayo

CLAVE: 30700

RUTA: MEX-130

AÑO: 2013

| L U G A R                           | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                     | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Tihuatlán - Potrero del Llano | 0.00            | 3  | 0  | 2156 | 69.1                   | 78.3 | 92.8 | 10.9 | 63.4                       | 71.3 | 86.9 | 9.6 | 63.8                      | 72.4 | 86.7 | 10.4 | 20.720323             | -97.552074 |
| Castillo de Teayo                   | 23.00           |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |

37 C A R R : Tihuatlán - Potrero del Llano

CLAVE: 30132

RUTA: MEX-127

AÑO: 2013

| L U G A R             | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|-----------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|-------|------|-----------------------|------------|
|                       | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Tihuatlán             | 0.00            | 3  | 0  | 8759  | 72.7                   | 86.4 | 110.9 | 14.2 | 65.3                       | 77.2 | 99.6 | 12.0 | 60.8                      | 72.2 | 101.3 | 13.2 | 20.721885             | -97.552730 |
| Álamo                 | 31.60           | 1  | 0  | 10704 | 48.0                   | 59.1 | 82.9  | 11.8 | 45.1                       | 56.8 | 75.3 | 12.8 | 41.0                      | 52.4 | 76.4  | 12.8 | 20.900390             | -97.673858 |
| Álamo                 | 31.60           | 3  | 0  | 11652 | 49.3                   | 55.8 | 71.9  | 9.4  | 46.5                       | 52.5 | 66.6 | 7.9  | 44.8                      | 52.7 | 69.1  | 9.4  | 20.911925             | -97.684080 |
| T. C. Alazán - Canoas | 51.70           | 1  | 0  | 7229  | 51.4                   | 61.3 | 75.4  | 11.2 | 48.5                       | 54.6 | 68.8 | 9.2  | 43.8                      | 51.3 | 67.4  | 9.1  | 21.099058             | -97.752626 |

VERACRUZ

38 C A R R : Túxpam - Tampico

CLAVE: 00529

RUTA: MEX-180

AÑO : 2013

| L U G A R                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                            | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Túxpam                     | 0.00            | 3  | 0  | 5927 | 60.4                   | 70.1 | 85.1  | 11.1 | 59.1                       | 67.8 | 82.6  | 10.1 | 57.6                      | 67.7 | 83.3  | 11.2 | 20.955060             | -97.458888 |
| T. Izq. La Lajuela         | 28.70           | 1  | 0  | 5164 | 75.8                   | 86.6 | 104.1 | 11.9 | 72.4                       | 81.6 | 93.5  | 10.7 | 68.0                      | 79.1 | 96.5  | 12.3 | 21.045845             | -97.618084 |
| T. Izq. Tempoal de Sánchez | 45.20           | 1  | 0  | 5156 | 55.2                   | 64.2 | 80.9  | 10.4 | 53.4                       | 60.7 | 74.7  | 8.9  | 51.7                      | 61.1 | 79.1  | 11.3 | 21.090139             | -97.730694 |
| Cerro Azul                 | 56.66           | 1  | 0  | 9163 | 66.1                   | 77.8 | 94.4  | 12.4 | 67.0                       | 73.0 | 116.8 | 10.7 | 61.2                      | 70.3 | 115.3 | 12.4 | 21.174997             | -97.752660 |
| T. Izq. Naranjos           | 78.60           | 1  | 0  | 9700 | 63.7                   | 77.8 | 101.1 | 14.5 | 67.2                       | 79.4 | 133.8 | 15.5 | 60.4                      | 71.9 | 111.2 | 14.1 | 21.334982             | -97.694729 |
| T. Izq. Naranjos           | 78.60           | 3  | 0  | 9980 | 56.2                   | 63.7 | 79.9  | 9.6  | 54.0                       | 60.2 | 72.4  | 7.8  | 52.1                      | 58.9 | 74.2  | 9.4  | 21.362924             | -97.684906 |
| T. Der. Ozuluama           | 124.42          | 1  | 0  | 5521 | 59.0                   | 72.8 | 99.3  | 14.5 | 56.3                       | 70.2 | 89.5  | 12.4 | 52.6                      | 65.3 | 91.5  | 13.4 | 21.671081             | -97.859872 |
| T. Der. Ozuluama           | 124.42          | 3  | 0  | 5276 | 71.4                   | 85.1 | 114.2 | 15.3 | 73.3                       | 88.5 | 112.6 | 14.7 | 66.7                      | 81.0 | 108.1 | 14.5 | 21.686335             | -97.851281 |
| Tampico Alto               | 177.80          | 1  | 0  | 5531 | 72.6                   | 87.2 | 113.8 | 15.2 | 70.1                       | 82.3 | 98.4  | 12.5 | 62.9                      | 74.4 | 95.3  | 12.8 | 22.117565             | -97.804413 |
| Tampico Alto               | 177.80          | 3  | 0  | 7030 | 55.9                   | 69.8 | 87.3  | 14.4 | 55.9                       | 65.8 | 81.5  | 11.8 | 51.2                      | 62.0 | 80.7  | 12.6 | 22.104944             | -97.803294 |
| Villa Cuauhtémoc           | 186.85          | 1  | 0  | 7689 | 76.3                   | 87.8 | 104.9 | 12.5 | 77.1                       | 85.8 | 95.9  | 10.9 | 70.9                      | 80.8 | 94.8  | 11.4 | 22.167558             | -97.829482 |
| Villa Cuauhtémoc           | 186.85          | 3  | 0  | 5120 | 39.7                   | 43.7 | 56.0  | 7.8  | 39.6                       | 44.5 | 82.3  | 10.3 | 38.7                      | 44.2 | 61.0  | 9.5  | 22.201945             | -97.841968 |
| Tampico                    | 191.00          |    |    |      |                        |      |       |      |                            |      |       |      |                           |      |       |      |                       |            |

39 C A R R : Tuxtepec - Ent. Palomares

CLAVE: 00180

RUTA: MEX-147

AÑO : 2013

| L U G A R                         | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-----------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                   | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Tuxtepec - Oaxaca           | 0.00            | 3  | 0  | 4211 | 53.2                   | 62.6 | 76.4  | 10.9 | 49.7                       | 58.7 | 72.8 | 10.7 | 46.1                      | 56.8 | 73.0 | 12.4 | 18.038019             | -96.161256 |
| X. C. El Rodeo - Reforma          | 15.20           | 3  | 0  | 2549 | 46.5                   | 54.0 | 67.7  | 9.6  | 42.0                       | 48.7 | 56.9 | 8.4  | 39.0                      | 47.5 | 61.5 | 10.4 | 17.950265             | -96.070362 |
| Lim. Edos. Term. Oax. Ppia. Ver.  | 40.00           |    |    |      |                        |      |       |      |                            |      |      |      |                           |      |      |      |                       |            |
| X. C. Playa Vicente - El Tomate   | 48.16           | 1  | 0  | 2011 | 65.1                   | 79.9 | 101.7 | 13.8 | 57.6                       | 73.7 | 92.5 | 14.6 | 57.4                      | 72.7 | 97.7 | 13.8 | 17.783607             | -95.834366 |
| X. C. Playa Vicente - El Tomate   | 48.16           | 3  | 0  | 2610 | 53.9                   | 63.9 | 78.7  | 11.6 | 52.6                       | 57.7 | 67.6 | 8.1  | 50.9                      | 58.4 | 73.1 | 10.4 | 17.783292             | -95.830380 |
| T. Der. Xochiapa                  | 65.00           | 3  | 0  | 1677 | 64.7                   | 73.2 | 85.9  | 9.8  | 63.2                       | 71.6 | 84.1 | 9.6  | 61.3                      | 69.8 | 85.1 | 9.9  | 17.703052             | -95.732926 |
| T. Izq. San Juan Evangelista      | 81.20           | 1  | 0  | 1317 | 64.2                   | 73.8 | 88.8  | 10.5 | 57.9                       | 64.5 | 77.2 | 7.4  | 59.2                      | 67.7 | 89.5 | 9.7  | 17.617421             | -95.638991 |
| Lim. Edos. Term. Ver. Ppia. Oax.  | 87.00           |    |    |      |                        |      |       |      |                            |      |      |      |                           |      |      |      |                       |            |
| María Lombardo de Caso            | 110.50          | 1  | 0  | 2585 | 47.9                   | 54.2 | 70.3  | 9.4  | 49.4                       | 52.7 | 54.9 | 7.0  | 45.7                      | 52.8 | 70.5 | 10.2 | 17.452069             | -95.432458 |
| T. C. Coatzacoalcos - Salina Cruz | 175.00          | 1  | 0  | 1860 | 43.4                   | 49.8 | 61.4  | 8.0  | 42.4                       | 49.9 | 54.3 | 8.7  | 43.6                      | 50.8 | 58.0 | 9.4  | 17.138787             | -95.066028 |

40 C A R R : Xalapa - Veracruz

CLAVE: 30526

RUTA: MEX-140

AÑO : 2013

| L U G A R | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|-----------|-----------------|----|----|-------|------------------------|------|------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|           | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Xalapa    | 0.00            | 3  | 1  | 27117 | 69.6                   | 78.9 | 99.4 | 11.0 | 69.7                       | 93.9 | 113.9 | 19.8 | 64.0                      | 85.4 | 111.8 | 16.4 | 19.507724             | -96.866230 |
| Xalapa    | 0.00            | 3  | 2  | 28953 | 58.4                   | 65.6 | 80.7 | 9.9  | 65.2                       | 90.7 | 113.6 | 18.7 | 58.0                      | 72.0 | 110.2 | 15.1 | 19.507892             | -96.866237 |

## VERACRUZ

40 C A R R : Xalapa - Veracruz

CLAVE: 30526

RUTA: MEX-140

AÑO : 2013

| L U G A R                       | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|---------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                 | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. Der. Coatepec                | 4.14            | 3  | 1  | 16879 | 43.2                   | 44.8  | 54.0  | 5.4  | 39.0                       | 42.2  | 51.1  | 5.9  | 36.8                      | 41.6  | 51.5  | 6.7  | 19.505650             | -96.852442 |
| T. Der. Coatepec                | 4.14            | 3  | 2  | 17549 | 43.0                   | 44.7  | 53.9  | 5.5  | 38.7                       | 41.9  | 50.4  | 5.8  | 36.9                      | 41.7  | 51.6  | 6.7  | 19.505774             | -96.852310 |
| Corral Falso                    | 17.40           | 3  | 1  | 9382  | 99.8                   | 115.7 | 136.7 | 16.2 | 85.7                       | 96.5  | 130.1 | 14.2 | 76.0                      | 93.5  | 124.9 | 18.5 | 19.458712             | -96.751040 |
| Corral Falso                    | 17.40           | 3  | 2  | 10099 | 103.6                  | 121.3 | 140.1 | 17.0 | 83.7                       | 94.4  | 124.8 | 13.7 | 72.7                      | 95.1  | 129.9 | 21.7 | 19.458765             | -96.751054 |
| Cerro Gordo                     | 25.20           | 3  | 0  | 7636  | 76.2                   | 84.4  | 98.8  | 10.3 | 67.9                       | 73.3  | 82.8  | 8.1  | 66.5                      | 73.2  | 87.9  | 8.9  | 19.432643             | -96.695843 |
| Plan del Río                    | 33.11           | 3  | 0  | 7370  | 74.0                   | 82.1  | 96.3  | 9.5  | 68.5                       | 73.7  | 84.2  | 8.4  | 67.2                      | 74.2  | 88.1  | 9.7  | 19.396467             | -96.652361 |
| T. Izq. Actopan                 | 38.62           | 3  | 1  | 9431  | 105.3                  | 122.8 | 141.5 | 16.2 | 92.0                       | 99.8  | 135.1 | 11.8 | 88.0                      | 101.4 | 136.1 | 14.9 | 19.390072             | -96.608770 |
| T. Izq. Actopan                 | 38.62           | 3  | 2  | 9439  | 104.7                  | 122.5 | 141.4 | 16.5 | 92.0                       | 99.3  | 135.2 | 11.5 | 87.6                      | 100.8 | 135.8 | 14.7 | 19.390135             | -96.608760 |
| T. Izq. José Cardel             | 53.82           | 1  | 1  | 9217  | 79.1                   | 103.6 | 126.7 | 21.7 | 76.5                       | 98.2  | 122.6 | 20.6 | 73.2                      | 95.8  | 127.1 | 20.3 | 19.338811             | -96.496468 |
| T. Izq. José Cardel             | 53.82           | 1  | 2  | 9355  | 93.0                   | 112.4 | 133.9 | 18.6 | 84.5                       | 101.7 | 125.0 | 17.8 | 75.2                      | 98.8  | 126.9 | 21.0 | 19.338913             | -96.496533 |
| T. Izq. José Cardel             | 53.82           | 3  | 0  | 5224  | 71.4                   | 81.9  | 96.0  | 11.9 | 63.3                       | 74.0  | 86.3  | 11.5 | 58.2                      | 71.5  | 86.3  | 13.9 | 19.333763             | -96.486002 |
| T. Der. Huatusco                | 58.52           | 1  | 0  | 4484  | 78.0                   | 89.9  | 111.6 | 12.8 | 67.2                       | 74.7  | 92.6  | 9.7  | 65.0                      | 74.9  | 98.2  | 12.3 | 19.314747             | -96.492094 |
| T. Der. Huatusco                | 58.52           | 3  | 0  | 4046  | 69.3                   | 75.5  | 86.6  | 9.2  | 64.1                       | 70.8  | 79.5  | 8.1  | 62.3                      | 70.4  | 80.8  | 9.7  | 19.307642             | -96.490707 |
| T. Der. Soledad Doblado         | 93.70           | 1  | 1  | 8691  | 72.8                   | 81.5  | 96.9  | 10.2 | 68.1                       | 74.1  | 84.4  | 8.8  | 65.1                      | 72.5  | 84.2  | 8.7  | 19.190645             | -96.279625 |
| T. Der. Soledad Doblado         | 93.70           | 1  | 2  | 9494  | 72.8                   | 81.5  | 96.3  | 10.2 | 67.9                       | 73.7  | 83.7  | 8.5  | 65.0                      | 72.4  | 84.1  | 8.7  | 19.190663             | -96.279584 |
| T. Der. Soledad Doblado         | 93.70           | 3  | 1  | 10835 | 77.6                   | 87.8  | 104.7 | 11.8 | 71.1                       | 79.4  | 92.0  | 10.0 | 69.4                      | 80.1  | 95.4  | 12.1 | 19.186910             | -96.269599 |
| T. Der. Soledad Doblado         | 93.70           | 3  | 2  | 10958 | 77.6                   | 87.8  | 104.6 | 11.8 | 71.3                       | 79.9  | 92.3  | 10.1 | 69.5                      | 80.3  | 96.4  | 12.1 | 19.187020             | -96.269594 |
| T. Der. Aeropuerto              | 102.63          | 1  | 1  | 25706 | 64.6                   | 71.9  | 86.7  | 8.6  | 56.4                       | 64.9  | 82.2  | 9.8  | 54.5                      | 62.7  | 81.1  | 9.4  | 19.151022             | -96.176975 |
| T. Der. Aeropuerto              | 102.63          | 1  | 2  | 24823 | 65.3                   | 72.8  | 89.3  | 8.9  | 57.3                       | 66.9  | 84.3  | 10.6 | 54.8                      | 63.2  | 81.6  | 9.4  | 19.151155             | -96.176998 |
| T. Izq. Boulevard Miguel Alemán | 106.79          | 1  | 1  | 35354 | 75.7                   | 82.8  | 100.0 | 8.8  | 75.5                       | 82.8  | 98.9  | 9.0  | 73.1                      | 82.1  | 98.9  | 10.7 | 19.142339             | -96.155925 |
| T. Izq. Boulevard Miguel Alemán | 106.79          | 1  | 2  | 36986 | 64.3                   | 72.3  | 88.8  | 9.3  | 57.3                       | 66.0  | 81.1  | 10.7 | 55.9                      | 64.0  | 80.6  | 9.9  | 19.142244             | -96.155492 |
| Veracruz                        | 114.37          |    |    |       |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |

41 C A R R : Acatzingo - Cd. Mendoza (Cuota)

CLAVE: 00485

RUTA: MEX-150D

AÑO : 2013

| L U G A R              | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                        | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. Izq. Acatzingo      | 47.10           | 3  | 1  | 22013 | 82.3                   | 90.8  | 108.1 | 10.6 | 75.9                       | 84.3  | 113.8 | 11.7 | 76.1                      | 102.6 | 114.6 | 15.5 | 18.958199             | -97.755768 |
| T. Izq. Acatzingo      | 47.10           | 3  | 2  | 21300 | 82.4                   | 84.2  | 102.8 | 7.3  | 75.2                       | 98.1  | 111.7 | 15.8 | 73.5                      | 96.9  | 110.0 | 15.1 | 18.958388             | -97.755697 |
| T. Der. Tecamachalco   | 62.10           | 1  | 1  | 12182 | 93.9                   | 105.8 | 114.3 | 12.6 | 84.5                       | 91.9  | 99.2  | 9.6  | 79.1                      | 87.9  | 102.3 | 11.0 | 18.933034             | -97.686705 |
| T. Der. Tecamachalco   | 62.10           | 1  | 2  | 11692 | 93.7                   | 105.6 | 114.3 | 12.6 | 84.6                       | 92.0  | 100.2 | 9.7  | 79.2                      | 88.2  | 103.1 | 11.1 | 18.933196             | -97.686616 |
| T. Der. Tecamachalco   | 62.10           | 3  | 1  | 10987 | 97.2                   | 112.3 | 134.7 | 18.0 | 92.3                       | 103.4 | 126.4 | 14.6 | 87.1                      | 100.1 | 125.2 | 14.8 | 18.929459             | -97.678268 |
| T. Der. Tecamachalco   | 62.10           | 3  | 2  | 10687 | 96.3                   | 105.8 | 130.6 | 12.8 | 92.1                       | 97.7  | 121.6 | 9.9  | 89.2                      | 97.7  | 123.0 | 11.4 | 18.929641             | -97.678103 |
| T. Der. Oaxaca (Cuota) | 83.85           | 1  | 1  | 10219 | 106.9                  | 123.7 | 141.1 | 16.2 | 92.3                       | 101.1 | 122.7 | 11.2 | 86.0                      | 96.3  | 123.2 | 12.7 | 18.828271             | -97.498573 |
| T. Der. Oaxaca (Cuota) | 83.85           | 1  | 2  | 10011 | 109.1                  | 124.0 | 141.5 | 15.1 | 96.7                       | 104.1 | 124.5 | 10.8 | 92.9                      | 102.9 | 125.8 | 12.0 | 18.828356             | -97.498622 |

VERACRUZ

41 C A R R : Acatzingo - Cd. Mendoza (Cuota)

CLAVE: 00485

RUTA: MEX-150D

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Caseta de Cobro Esperanza        | 99.50           | 2  | 1  | 6224 |                        |      |       |      |                            |      |      |      |                           |      |      |      | 18.870773             | -97.385953 |
| Caseta de Cobro Esperanza        | 99.50           | 2  | 2  | 6224 |                        |      |       |      |                            |      |      |      |                           |      |      |      | 18.870773             | -97.385953 |
| Lim. Edos. Term. Pue. Ppia. Ver. | 111.40          |    |    |      |                        |      |       |      |                            |      |      |      |                           |      |      |      |                       |            |
| T. Der. Cd. Mendoza              | 142.40          | 1  | 1  | 6999 | 79.1                   | 94.2 | 113.2 | 15.9 | 70.1                       | 84.6 | 94.4 | 14.6 | 63.9                      | 78.1 | 92.9 | 14.2 | 18.814119             | -97.194975 |
| T. Der. Cd. Mendoza              | 142.40          | 1  | 2  | 7164 | 79.4                   | 94.3 | 113.3 | 15.8 | 69.9                       | 84.5 | 94.4 | 14.6 | 64.0                      | 78.4 | 93.2 | 14.4 | 18.814199             | -97.194983 |

42 C A R R : Amozoc - Perote (Cuota)

CLAVE: 00030

RUTA: MEX-140D

AÑO: 2013

| L U G A R                         | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|-----------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                   | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Puebla - Córdoba (Cuota)    | 0.00            | 3  | 0  | 8349 | 88.0                   | 98.4  | 116.6 | 12.0 | 84.4                       | 93.9  | 115.1 | 12.7 | 78.0                      | 96.0  | 122.9 | 17.7 | 19.072004             | -98.062756 |
| Caseta de Cobro Amozoc            | 0.68            | 2  | 0  | 8174 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 19.063599             | -98.069029 |
| Lim. Edos. Term. Pue. Ppia. Tlax. | 20.08           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| X. C. Huamantla - La Venta        | 25.80           | 3  | 0  | 6391 | 103.6                  | 115.3 | 123.7 | 12.6 | 91.3                       | 101.9 | 119.5 | 12.8 | 86.4                      | 103.4 | 120.7 | 17.0 | 19.234951             | -97.887606 |
| Lim. Edos. Term. Tlax. Ppia. Pue. | 30.50           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| Lim. Edos. Term. Pue. Ppia. Tlax. | 31.26           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| Lim. Edos. Term. Tlax. Ppia. Pue. | 31.67           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| Lim. Edos. Term. Pue. Ppia. Tlax. | 38.93           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| Caseta de Cobro Cuapiaxtla        | 40.34           | 2  | 0  | 5439 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 19.304158             | -97.805312 |
| Lim. Edos. Term. Tlax. Ppia. Pue. | 54.50           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| T. Der. Oriental                  | 61.45           | 1  | 0  | 8938 | 96.3                   | 115.7 | 139.7 | 18.3 | 87.4                       | 99.3  | 129.2 | 13.1 | 82.4                      | 101.8 | 136.9 | 18.9 | 19.414011             | -97.646438 |
| T. Der. Oriental                  | 61.45           | 3  | 1  | 3552 | 98.6                   | 112.2 | 130.4 | 14.3 | 85.9                       | 90.3  | 99.5  | 5.9  | 80.4                      | 90.3  | 102.9 | 12.0 | 19.420974             | -97.637171 |
| T. Der. Oriental                  | 61.45           | 3  | 2  | 3522 | 100.0                  | 113.8 | 133.2 | 14.6 | 87.4                       | 92.1  | 95.5  | 7.6  | 82.5                      | 91.8  | 104.9 | 11.2 | 19.421052             | -97.637349 |
| T. Izq. Teziutlán                 | 62.70           | 3  | 0  | 4680 | 97.9                   | 109.1 | 123.9 | 12.5 | 81.4                       | 83.8  | 93.0  | 6.7  | 78.4                      | 83.4  | 95.3  | 9.3  | 19.428537             | -97.627338 |
| Lim. Edos. Term. Pue. Ppia. Ver.  | 90.36           |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| T. C. Lib. de Perote              | 105.00          |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |

43 C A R R : Cd. Mendoza - Córdoba (Cuota)

CLAVE: 00485

RUTA: MEX-150D

AÑO: 2013

| L U G A R           | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|---------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                     | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. Der. Cd. Mendoza | 142.40          | 3  | 1  | 15230 | 74.5                   | 83.3  | 96.9  | 10.2 | 67.2                       | 74.3  | 84.6  | 10.2 | 61.0                      | 73.0  | 84.9  | 13.4 | 18.816605             | -97.174845 |
| T. Der. Cd. Mendoza | 142.40          | 3  | 2  | 15382 | 74.6                   | 83.3  | 97.0  | 10.1 | 67.1                       | 74.3  | 84.5  | 10.3 | 60.9                      | 72.9  | 84.8  | 13.3 | 18.816653             | -97.174929 |
| T. Izq. Orizaba     | 157.05          | 3  | 1  | 18127 | 78.5                   | 90.6  | 108.7 | 13.1 | 79.8                       | 91.4  | 104.1 | 13.4 | 80.8                      | 91.5  | 103.7 | 12.4 | 18.833026             | -97.086744 |
| T. Izq. Orizaba     | 157.05          | 3  | 2  | 18296 | 106.9                  | 117.4 | 134.3 | 11.6 | 103.4                      | 111.8 | 130.6 | 9.9  | 101.7                     | 110.6 | 126.8 | 10.7 | 18.833130             | -97.086830 |

## VERACRUZ

43 C A R R : Cd. Mendoza - Córdoba (Cuota)

CLAVE: 00485

RUTA: MEX-150D

AÑO: 2013

| L U G A R                            | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |     | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|--------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|-----|---------------------------|------|-------|------|-----------------------|------------|
|                                      | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ   | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Caseta de Cobro Fortín de Las Flores | 168.20          | 2  | 1  | 11356 |                        |       |       |      |                            |      |       |     |                           |      |       |      | 18.907152             | -96.999435 |
| Caseta de Cobro Fortín de Las Flores | 168.20          | 2  | 2  | 11356 |                        |       |       |      |                            |      |       |     |                           |      |       |      | 18.907152             | -96.999435 |
| Córdoba                              | 174.87          | 1  | 1  | 14096 | 94.2                   | 103.2 | 116.6 | 10.5 | 87.6                       | 93.1 | 104.9 | 8.6 | 81.8                      | 91.0 | 103.7 | 11.0 | 18.906321             | -96.990382 |
| Córdoba                              | 174.87          | 1  | 2  | 13934 | 93.8                   | 102.9 | 116.2 | 10.6 | 87.6                       | 93.2 | 104.9 | 8.6 | 81.6                      | 90.8 | 103.4 | 11.0 | 18.906427             | -96.990541 |

44 C A R R : Córdoba - Veracruz (Cuota)

CLAVE: 30066

RUTA: MEX-150D

AÑO: 2013

| L U G A R                              | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|----------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                        | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Córdoba - Ent. Boticaria         | 0.00            | 3  | 1  | 3871 | 88.2                   | 94.3  | 104.7 | 9.2  | 75.0                       | 76.9  | 84.4  | 3.8  | 74.3                      | 78.0  | 84.3  | 5.4  | 18.863719             | -96.861255 |
| T. C. Córdoba - Ent. Boticaria         | 0.00            | 3  | 2  | 3819 | 96.5                   | 109.6 | 127.2 | 13.5 | 88.9                       | 93.5  | 104.5 | 8.8  | 85.1                      | 92.1  | 103.4 | 8.5  | 18.863873             | -96.861340 |
| Caseta de Cobro Cuitláhuac             | 14.14           | 2  | 1  | 6080 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 18.839397             | -96.746790 |
| Caseta de Cobro Cuitláhuac             | 14.14           | 2  | 2  | 6080 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 18.839397             | -96.746790 |
| T. C. La Tinaja - Cosoleacaque (Cuota) | 45.00           | 1  | 1  | 6462 | 110.3                  | 127.9 | 142.5 | 16.6 | 95.8                       | 103.6 | 128.9 | 9.8  | 94.2                      | 105.2 | 128.0 | 12.7 | 18.782050             | -96.472420 |
| T. C. La Tinaja - Cosoleacaque (Cuota) | 45.00           | 1  | 2  | 6038 | 108.8                  | 123.5 | 140.4 | 15.1 | 92.8                       | 96.4  | 121.1 | 8.5  | 90.3                      | 97.0  | 120.5 | 10.3 | 18.782153             | -96.472529 |
| T. C. La Tinaja - Cosoleacaque (Cuota) | 45.00           | 3  | 1  | 5427 | 113.4                  | 131.2 | 143.1 | 16.4 | 95.2                       | 104.1 | 136.7 | 12.2 | 86.3                      | 101.8 | 136.7 | 16.4 | 18.781730             | -96.448183 |
| T. C. La Tinaja - Cosoleacaque (Cuota) | 45.00           | 3  | 2  | 5039 | 90.1                   | 106.9 | 124.5 | 16.3 | 78.9                       | 85.5  | 94.2  | 9.8  | 72.5                      | 81.9  | 97.1  | 11.3 | 18.781812             | -96.448264 |
| Caseta de Cobro Paso del Toro          | 89.90           | 2  | 1  | 2986 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 19.081775             | -96.198448 |
| Caseta de Cobro Paso del Toro          | 89.90           | 2  | 2  | 2986 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 19.081775             | -96.198448 |
| T. C. Xalapa - Veracruz                | 98.00           | 1  | 1  | 5859 | 106.0                  | 125.5 | 142.5 | 17.9 | 96.2                       | 106.8 | 137.9 | 14.0 | 91.0                      | 114.4 | 140.1 | 20.0 | 19.135690             | -96.153384 |
| T. C. Xalapa - Veracruz                | 98.00           | 1  | 2  | 5840 | 81.7                   | 92.0  | 107.3 | 11.7 | 77.8                       | 82.9  | 92.5  | 8.3  | 70.6                      | 79.9  | 92.3  | 11.0 | 19.135545             | -96.153232 |

45 C A R R : Gutiérrez Zamora - Tihuatlán (Cuota)

CLAVE: 30009

RUTA: MEX-130D

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Poza Rica - Veracruz       | 0.00            |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| Caseta de Cobro Totomoxtle       | 0.10            | 2  | 0  | 4189 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 20.461959             | -97.245982 |
| T. Der. Poza Rica                | 24.20           | 1  | 0  | 6238 | 86.1                   | 101.3 | 123.9 | 14.9 | 76.8                       | 88.7  | 103.4 | 13.0 | 80.3                      | 91.5  | 110.7 | 13.0 | 20.628700             | -97.393640 |
| T. Der. Poza Rica                | 24.20           | 3  | 0  | 3374 | 100.4                  | 118.8 | 140.7 | 17.4 | 83.5                       | 100.6 | 126.0 | 17.6 | 84.2                      | 103.8 | 131.4 | 19.5 | 20.612090             | -97.388362 |
| Paso el Pital                    | 27.10           | 3  | 0  | 5571 | 83.1                   | 107.5 | 131.8 | 24.1 | 76.0                       | 92.8  | 125.6 | 19.0 | 77.1                      | 92.2  | 119.6 | 18.4 | 20.642185             | -97.407462 |
| T. C. Tihuatlán - Tuxpam (Cuota) | 38.20           | 1  | 0  | 5658 | 85.9                   | 99.4  | 118.0 | 13.8 | 71.9                       | 83.1  | 100.9 | 12.9 | 66.7                      | 78.4  | 102.4 | 13.1 | 20.688471             | -97.486385 |

VERACRUZ

46 C A R R : La Tinaja - Cosoleacaque (Cuota)

CLAVE: 30144

RUTA: MEX-145D

AÑO: 2013

| L U G A R                             | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|---------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                       | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Córdoba - Veracruz (Cuota)      | 0.00            |    |    |      |                        |       |       |      |                            |       |       |      |                           |       |       |      |                       |            |
| X. C. Córdoba - Boticaria             | 2.50            | 1  | 1  | 5654 | 85.8                   | 103.2 | 124.2 | 16.7 | 76.4                       | 88.7  | 105.2 | 12.8 | 72.7                      | 83.1  | 106.4 | 12.5 | 18.770666             | -96.447965 |
| X. C. Córdoba - Boticaria             | 2.50            | 1  | 2  | 5380 | 85.5                   | 103.0 | 124.1 | 16.7 | 76.2                       | 88.5  | 105.1 | 12.8 | 72.8                      | 83.1  | 106.6 | 12.5 | 18.770688             | -96.447887 |
| X. C. Córdoba - Boticaria             | 2.50            | 3  | 1  | 5107 | 115.5                  | 138.8 | 144.2 | 21.2 | 108.9                      | 138.1 | 144.1 | 22.5 | 93.4                      | 117.8 | 142.8 | 21.8 | 18.767076             | -96.443234 |
| X. C. Córdoba - Boticaria             | 2.50            | 3  | 2  | 4569 | 98.5                   | 119.7 | 138.7 | 19.6 | 82.8                       | 93.3  | 118.4 | 14.1 | 76.2                      | 89.7  | 121.2 | 14.9 | 18.767141             | -96.443211 |
| Caseta de Cobro Cosamaloapan          | 83.36           | 2  | 1  | 4499 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 18.335024             | -95.822200 |
| Caseta de Cobro Cosamaloapan          | 83.36           | 2  | 2  | 4499 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 18.335024             | -95.822200 |
| X. C. Santiago Tuxtla - Playa Vicente | 120.00          | 1  | 1  | 4728 | 105.6                  | 122.4 | 140.3 | 16.2 | 90.1                       | 94.7  | 123.0 | 10.5 | 84.8                      | 92.6  | 114.1 | 9.9  | 18.161107             | -95.544285 |
| X. C. Santiago Tuxtla - Playa Vicente | 120.00          | 1  | 2  | 4450 | 90.5                   | 103.4 | 120.7 | 14.1 | 76.2                       | 82.2  | 93.6  | 8.4  | 73.6                      | 80.8  | 90.1  | 8.8  | 18.161150             | -95.543868 |
| X. C. Santiago Tuxtla - Playa Vicente | 120.00          | 3  | 1  | 4640 | 108.3                  | 128.9 | 142.9 | 17.7 | 93.9                       | 102.7 | 126.7 | 11.6 | 89.6                      | 101.1 | 130.1 | 13.5 | 18.152896             | -95.531246 |
| X. C. Santiago Tuxtla - Playa Vicente | 120.00          | 3  | 2  | 3740 | 121.9                  | 139.8 | 144.3 | 17.9 | 107.5                      | 130.9 | 143.4 | 16.9 | 98.8                      | 114.6 | 142.2 | 16.0 | 18.153000             | -95.531164 |
| T. C. Coatzacoalcos - Salina Cruz     | 187.77          | 1  | 1  | 4406 | 90.3                   | 102.6 | 119.5 | 13.7 | 76.1                       | 83.4  | 103.6 | 10.1 | 65.8                      | 77.1  | 102.1 | 12.5 | 17.909697             | -94.943601 |
| T. C. Coatzacoalcos - Salina Cruz     | 187.77          | 1  | 2  | 4412 | 81.3                   | 92.7  | 107.0 | 12.7 | 65.0                       | 72.6  | 83.0  | 8.8  | 62.4                      | 69.8  | 81.2  | 9.2  | 17.909776             | -94.943669 |
| Caseta de Cobro Acayucan (Sayula)     | 187.77          | 2  | 1  | 3406 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 17.909977             | -94.937353 |
| Caseta de Cobro Acayucan (Sayula)     | 187.77          | 2  | 2  | 3406 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 17.909977             | -94.937353 |
| Caseta de Cobro Acayucan (Sayula)     | 187.77          | 3  | 1  | 6451 | 84.1                   | 93.7  | 107.3 | 10.9 | 71.0                       | 78.5  | 89.3  | 9.4  | 63.2                      | 70.8  | 83.7  | 9.2  | 17.910439             | -94.928872 |
| Caseta de Cobro Acayucan (Sayula)     | 187.77          | 3  | 2  | 5966 | 83.8                   | 93.3  | 106.7 | 10.8 | 70.9                       | 78.5  | 89.1  | 9.4  | 63.6                      | 71.2  | 84.0  | 9.1  | 17.910523             | -94.928980 |
| T. C. Coatzacoalcos - Salina Cruz     | 228.10          | 1  | 1  | 5595 | 105.9                  | 123.4 | 141.3 | 16.7 | 90.2                       | 97.3  | 123.7 | 11.4 | 86.4                      | 94.4  | 117.0 | 10.9 | 17.995526             | -94.601722 |
| T. C. Coatzacoalcos - Salina Cruz     | 228.10          | 1  | 2  | 5564 | 93.5                   | 107.5 | 125.0 | 14.3 | 84.9                       | 91.4  | 102.7 | 7.9  | 82.0                      | 88.9  | 101.1 | 9.0  | 17.995463             | -94.601603 |

47 C A R R : Las Choapas - Ocozocoautla (Cuota)

CLAVE: 00077

RUTA: MEX-187D

AÑO: 2013

| L U G A R                            | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|--------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                      | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Coatzacoalcos - Villahermosa   | 0.00            | 3  | 0  | 3636 | 94.1                   | 110.3 | 136.7 | 15.9 | 85.1                       | 94.2 | 128.1 | 12.0 | 81.8                      | 91.7 | 118.9 | 12.3 | 18.062690             | -94.246167 |
| Caseta de Cobro Las Choapas          | 16.80           | 1  | 0  | 3359 | 90.8                   | 107.4 | 129.9 | 16.8 | 79.1                       | 89.8 | 103.1 | 12.6 | 76.1                      | 87.2 | 107.9 | 12.8 | 17.950694             | -94.175194 |
| Caseta de Cobro Las Choapas          | 16.80           | 3  | 0  | 2443 | 91.0                   | 107.6 | 130.0 | 16.6 | 79.2                       | 90.0 | 103.0 | 12.6 | 76.1                      | 86.7 | 108.3 | 12.6 | 17.935861             | -94.167722 |
| Lim. Edos. Term. Ver. Ppia. Tab.     | 96.68           |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| Caseta de Cobro Malpasito            | 112.70          | 1  | 0  | 2420 | 90.4                   | 106.6 | 129.8 | 16.6 | 78.0                       | 88.8 | 100.7 | 12.6 | 75.5                      | 86.4 | 106.4 | 12.8 | 17.356194             | -93.589472 |
| Caseta de Cobro Malpasito            | 112.70          | 2  | 0  | 2126 |                        |       |       |      |                            |      |       |      |                           |      |       |      | 17.349102             | -93.586412 |
| Lim. Edos. Term. Tab. Ppia. Chis.    | 113.70          |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |
| T. Izq. Malpaso                      | 123.79          | 1  | 0  | 4049 | 89.2                   | 106.0 | 126.9 | 17.0 | 79.7                       | 90.7 | 103.4 | 12.7 | 76.8                      | 88.5 | 110.4 | 12.9 | 17.261028             | -93.570028 |
| Caseta de Cobro "Ocozocoautla"       | 182.50          | 1  | 0  | 3661 | 69.9                   | 83.2  | 98.2  | 14.2 | 62.2                       | 73.0 | 84.6  | 12.2 | 57.5                      | 70.6 | 84.7  | 14.1 | 16.864675             | -93.410094 |
| Caseta de Cobro "Ocozocoautla"       | 182.50          | 2  | 0  | 4052 |                        |       |       |      |                            |      |       |      |                           |      |       |      | 16.863216             | -93.407000 |
| T. C. Tapanatepec - Tuxtla Gutiérrez | 197.50          | 1  | 0  | 4368 | 81.8                   | 99.0  | 124.8 | 16.3 | 70.0                       | 83.2 | 104.7 | 14.7 | 63.6                      | 78.5 | 106.8 | 14.8 | 16.771171             | -93.317545 |

## VERACRUZ

48 C A R R : Libramiento de Cardel (Cuota)

CLAVE: 30729

RUTA: MEX-180D

AÑO : 2013

| L U G A R                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                            | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Tamarindo - Cardel   | 0.00            | 3  | 0  | 8967 | 96.3                   | 108.1 | 124.4 | 12.7 | 87.3                       | 96.9 | 112.9 | 11.4 | 85.9                      | 97.2 | 114.5 | 12.5 | 19.373402             | -96.386785 |
| T. C. Poza Rica - Veracruz | 2.50            |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |

49 C A R R : Libramiento de Córdoba (Cuota)

CLAVE: 30742

RUTA: MEX-150D

AÑO : 2013

| L U G A R                      | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |     | VELOCIDAD CAMIONES (km/h) |      |       |     | C O O R D E N A D A S |            |
|--------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|-----|---------------------------|------|-------|-----|-----------------------|------------|
|                                | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ   | Promedio                  | P 85 | P 98  | δ   | Latitud               | Longitud   |
| T. Aut. Puebla - Córdoba       | 0.00            | 3  | 1  | 15904 | 88.6                   | 94.2  | 104.6 | 8.6  | 75.0                       | 76.0 | 84.4  | 3.6 | 74.3                      | 77.9 | 84.4  | 5.5 | 18.875147             | -96.948985 |
| T. Aut. Puebla - Córdoba       | 0.00            | 3  | 2  | 16936 | 95.8                   | 108.6 | 126.3 | 13.2 | 89.5                       | 93.6 | 104.5 | 8.3 | 85.6                      | 92.7 | 105.0 | 9.1 | 18.875310             | -96.949058 |
| T. C. Córdoba - Ent. Boticaria | 9.20            | 1  | 1  | 13888 | 88.6                   | 94.2  | 104.5 | 8.6  | 75.0                       | 76.2 | 84.3  | 3.6 | 73.3                      | 77.0 | 84.3  | 6.5 | 18.858882             | -96.886051 |
| T. C. Córdoba - Ent. Boticaria | 9.20            | 1  | 2  | 13920 | 95.8                   | 108.7 | 126.3 | 13.2 | 89.5                       | 93.6 | 104.7 | 8.4 | 84.8                      | 92.1 | 104.5 | 8.9 | 18.859008             | -96.886094 |

50 C A R R : Libramiento de Perote (Cuota)

CLAVE: 30737

RUTA: MEX-140D

AÑO : 2013

| L U G A R                            | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|--------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                      | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. San Hipólito - Xalapa Poniente | 0.00            | 3  | 1  | 1392 | 97.6                   | 113.8 | 137.8 | 17.0 | 83.3                       | 99.2 | 115.7 | 15.3 | 83.7                      | 92.1 | 104.4 | 10.1 | 19.535697             | -97.298326 |
| T. C. San Hipólito - Xalapa Poniente | 0.00            | 3  | 2  | 1437 | 97.6                   | 114.0 | 138.9 | 17.3 | 83.6                       | 98.4 | 117.5 | 14.6 | 83.7                      | 92.0 | 104.4 | 10.0 | 19.535793             | -97.298460 |
| T. C. San Hipólito - Xalapa Oriente  | 17.80           |    |    |      |                        |       |       |      |                            |      |       |      |                           |      |       |      |                       |            |

51 C A R R : Libramiento de Plan del Río (Cuota)

CLAVE: 30747

RUTA: MEX-140D

AÑO : 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Xalapa - Veracruz Poniente | 0.00            | 3  | 1  | 5062 | 69.9                   | 83.2 | 103.2 | 14.1 | 67.6                       | 81.2 | 102.5 | 14.2 | 62.1                      | 74.6 | 96.7 | 12.4 | 19.440146             | -96.704188 |
| T. C. Xalapa - Veracruz Poniente | 0.00            | 3  | 2  | 5095 | 61.5                   | 73.8 | 92.5  | 13.3 | 59.9                       | 72.3 | 90.7  | 13.3 | 56.2                      | 65.2 | 84.8 | 9.9  | 19.440226             | -96.704188 |
| T. C. Xalapa - Veracruz Oriente  | 12.00           |    |    |      |                        |      |       |      |                            |      |       |      |                           |      |      |      |                       |            |

52 C A R R : Nuevo Teapa - Cosoleacaque (Cuota)

CLAVE: 30007

RUTA: MEX-180D

AÑO : 2013

| L U G A R                                   | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|---------------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                             | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Coatzacoalcos - Villahermosa          | 0.00            | 3  | 1  | 6697 | 99.4                   | 120.0 | 141.5 | 18.7 | 95.1                       | 112.8 | 138.9 | 17.0 | 88.7                      | 106.0 | 135.8 | 17.6 | 18.069249             | -94.322973 |
| T. C. Coatzacoalcos - Villahermosa          | 0.00            | 3  | 2  | 6890 | 96.8                   | 119.0 | 141.0 | 20.1 | 95.5                       | 118.2 | 142.1 | 19.6 | 87.1                      | 108.2 | 140.8 | 19.8 | 18.069141             | -94.322921 |
| Caseta de Cobro Puente Antonio Dovalí Jaime | 6.50            | 2  | 1  | 6511 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 18.013415             | -94.396799 |



VERACRUZ

52 C A R R : Nuevo Teapa - Cosoleacaque (Cuota)

CLAVE: 30007

ruta: MEX-180D

AÑO : 2013

| L U G A R                                   | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|---------------------------------------------|-----------------|----|----|-------|------------------------|-------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                             | KM              | TE | SC | TDPA  | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Caseta de Cobro Puente Antonio Dovalí Jaime | 6.50            | 2  | 2  | 6511  |                        |       |       |      |                            |      |       |      |                           |      |       |      | 18.013415             | -94.396799 |
| Ent. La Tinaja - Cosoleacaque               | 34.00           | 1  | 1  | 10589 | 89.3                   | 104.9 | 129.3 | 16.1 | 86.6                       | 95.2 | 119.4 | 12.7 | 81.8                      | 92.4 | 110.6 | 12.3 | 18.018170             | -94.540411 |
| Ent. La Tinaja - Cosoleacaque               | 34.00           | 1  | 2  | 10744 | 87.6                   | 105.6 | 128.0 | 17.3 | 84.0                       | 96.9 | 118.2 | 14.2 | 82.1                      | 93.9 | 113.5 | 13.8 | 18.018055             | -94.540318 |

53 C A R R : Tihuatlán - Tuxpam (Incluye Puente Tuxpam)

CLAVE: 30008

ruta: MEX-130D

AÑO : 2013

| L U G A R                                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |       |       |      | C O O R D E N A D A S |            |
|--------------------------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|-------|-------|------|-----------------------|------------|
|                                            | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85  | P 98  | δ    | Latitud               | Longitud   |
| T. C. Pachuca - Tuxpam                     | 0.00            | 3  | 0  | 7191 | 71.6                   | 83.5  | 104.9 | 13.3 | 65.6                       | 77.3  | 94.8  | 11.8 | 60.9                      | 73.7  | 101.1 | 14.3 | 20.663913             | -97.516810 |
| T. C. Gutiérrez Zamora - Tihuatlán (Cuota) | 4.70            | 3  | 0  | 7548 | 104.8                  | 120.8 | 140.2 | 15.0 | 94.3                       | 102.2 | 124.3 | 10.2 | 91.8                      | 105.8 | 135.0 | 15.3 | 20.702331             | -97.490016 |
| T. C. Pachuca - Tuxpam                     | 18.90           | 1  | 0  | 6374 | 102.1                  | 124.3 | 142.3 | 19.5 | 84.6                       | 93.3  | 112.3 | 11.6 | 82.0                      | 98.3  | 136.5 | 18.1 | 20.810209             | -97.481317 |
| T. C. Pachuca - Tuxpam                     | 18.90           | 3  | 1  | 3090 | 97.8                   | 117.5 | 139.1 | 18.5 | 85.5                       | 94.5  | 112.8 | 13.2 | 84.4                      | 100.2 | 134.3 | 15.6 | 20.828082             | -97.475583 |
| T. C. Pachuca - Tuxpam                     | 18.90           | 3  | 2  | 3186 | 97.9                   | 117.6 | 139.1 | 18.5 | 86.8                       | 94.9  | 116.5 | 12.8 | 84.4                      | 100.1 | 134.4 | 15.6 | 20.828079             | -97.475735 |
| Caseta de Cobro Puente Tuxpam              | 32.80           | 2  | 1  | 2227 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 20.918966             | -97.415848 |
| Caseta de Cobro Puente Tuxpam              | 32.80           | 2  | 2  | 2227 |                        |       |       |      |                            |       |       |      |                           |       |       |      | 20.918966             | -97.415848 |
| Tuxpam                                     | 37.50           | 1  | 1  | 6026 | 77.1                   | 88.8  | 103.8 | 12.5 | 73.1                       | 81.6  | 92.2  | 10.2 | 68.4                      | 78.5  | 93.2  | 11.6 | 20.940708             | -97.404727 |
| Tuxpam                                     | 37.50           | 1  | 2  | 5988 | 70.5                   | 84.5  | 101.7 | 15.4 | 68.4                       | 80.0  | 92.0  | 13.0 | 62.6                      | 77.9  | 94.4  | 15.5 | 20.940741             | -97.404866 |

54 C A R R : Poza Rica - Veracruz

CLAVE: 30146

ruta: MEX-180-180D

AÑO : 2013

| L U G A R                           | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-------------------------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                     | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Pachuca - Tuxpam              | 0.00            | 3  | 1  | 16536 | 46.1                   | 51.6 | 63.1  | 7.1  | 41.6                       | 45.1 | 54.2 | 7.0  | 42.0                      | 47.5 | 61.7 | 8.2  | 20.542121             | -97.474006 |
| T. C. Pachuca - Tuxpam              | 0.00            | 3  | 2  | 15854 | 50.5                   | 56.1 | 69.7  | 8.6  | 46.0                       | 51.4 | 61.6 | 7.1  | 44.6                      | 51.3 | 64.7 | 8.1  | 20.542121             | -97.474006 |
| T. Izq. Santa Águeda                | 8.38            | 3  | 0  | 16160 | 59.9                   | 66.5 | 81.2  | 9.5  | 57.3                       | 62.6 | 77.7 | 7.8  | 56.4                      | 63.7 | 81.5 | 9.5  | 20.504165             | -97.411879 |
| Reforma Escolín                     | 14.00           | 1  | 0  | 9747  | 72.3                   | 81.1 | 94.5  | 10.7 | 68.1                       | 75.4 | 84.7 | 9.9  | 63.1                      | 74.0 | 88.8 | 12.1 | 20.479253             | -97.387668 |
| Reforma Escolín                     | 14.00           | 3  | 0  | 9094  | 51.7                   | 53.8 | 62.9  | 5.8  | 45.0                       | 44.3 | 52.9 | 1.9  | 47.3                      | 49.5 | 68.9 | 6.3  | 20.477185             | -97.384795 |
| T. Izq. Libramiento de Papantla     | 19.80           | 1  | 0  | 9615  | 65.9                   | 79.6 | 98.6  | 13.8 | 62.7                       | 73.8 | 92.6 | 12.3 | 58.2                      | 70.3 | 93.0 | 12.0 | 20.466356             | -97.343304 |
| T. Izq. Libramiento de Papantla     | 19.80           | 3  | 1  | 4469  | 72.6                   | 81.4 | 94.4  | 10.4 | 68.5                       | 77.1 | 86.6 | 10.9 | 67.5                      | 79.1 | 92.9 | 13.2 | 20.463029             | -97.340936 |
| T. Izq. Libramiento de Papantla     | 19.80           | 3  | 2  | 4464  | 61.6                   | 67.3 | 76.6  | 8.2  | 57.8                       | 62.1 | 70.6 | 6.9  | 57.0                      | 63.2 | 73.3 | 8.8  | 20.462976             | -97.340811 |
| Papantla                            | 23.00           | 3  | 0  | 4663  | 69.7                   | 79.7 | 94.2  | 11.3 | 62.2                       | 71.1 | 82.6 | 10.2 | 60.0                      | 71.4 | 86.8 | 12.7 | 20.449522             | -97.295635 |
| T. C. Tihuatlán - El Palmar (Cuota) | 31.00           | 3  | 0  | 7137  | 70.9                   | 88.1 | 111.7 | 17.0 | 60.2                       | 74.8 | 87.9 | 15.2 | 58.5                      | 73.2 | 88.4 | 14.9 | 20.458830             | -97.233393 |
| T. Izq. Gutiérrez Zamora            | 51.43           | 3  | 0  | 6896  | 50.9                   | 60.5 | 80.7  | 11.5 | 47.3                       | 54.2 | 74.6 | 10.0 | 43.2                      | 52.3 | 75.4 | 11.0 | 20.443178             | -97.090052 |
| Puente Tecolutla                    | 52.80           | 2  | 0  | 6157  |                        |      |       |      |                            |      |      |      |                           |      |      |      | 20.437808             | -97.086446 |
| T. Der. Martínez de La Torre        | 93.01           | 1  | 0  | 7690  | 71.3                   | 82.4 | 97.4  | 12.1 | 66.1                       | 73.3 | 84.6 | 9.4  | 62.1                      | 70.4 | 86.8 | 10.1 | 20.236342             | -96.794086 |



VERACRUZ

57 C A R R : Ent. La Laguna - Ent. El Callejón

CLAVE: 30705

ruta: VER

AÑO : 2013

| L U G A R                               | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|-----------------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                         | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Paso del Toro - Acayucan          | 0.00            | 3  | 0  | 3353 | 80.7                   | 92.2 | 110.1 | 12.8 | 76.8                       | 83.9 | 100.9 | 10.0 | 70.2                      | 82.6 | 100.0 | 13.5 | 18.965472             | -96.070250 |
| T. C. Mata Espino - Ignacio de La Llave | 33.00           | 1  | 0  | 3338 | 74.4                   | 86.1 | 106.8 | 12.8 | 68.7                       | 83.2 | 108.3 | 16.0 | 64.7                      | 79.9 | 107.3 | 14.6 | 18.751555             | -96.135361 |

58 C A R R : José Cardel - Playa Chachalacas

CLAVE: 30038

ruta: VER

AÑO : 2013

| L U G A R         | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|-------------------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
|                   | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| José Cardel       | 0.00            | 3  | 0  | 8489 | 45.4                   | 51.0 | 63.0 | 7.0 | 45.5                       | 50.2 | 54.4 | 5.9 | 43.8                      | 49.8 | 67.9 | 8.9 | 19.380136             | -96.371012 |
| Playa Chachalacas | 8.00            | 1  | 0  | 2659 | 59.5                   | 67.1 | 81.0 | 9.9 | 56.2                       | 63.0 | 73.0 | 8.2 | 56.0                      | 63.8 | 76.9 | 9.7 | 19.419522             | -96.328465 |

59 C A R R : Las Trancas - Coatepec

CLAVE: 30717

ruta: VER

AÑO : 2013

| L U G A R       | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-----------------|-----------------|----|----|-------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                 | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Las Trancas     | 0.00            | 3  | 0  | 17845 | 39.0                   | 43.2 | 54.0 | 7.2  | 38.3                       | 42.8 | 53.2 | 7.3 | 39.3                      | 43.4 | 86.0 | 9.8  | 19.501747             | -96.860767 |
| T. Izq. Totutla | 11.20           | 1  | 0  | 2904  | 62.7                   | 73.6 | 93.2 | 12.3 | 58.6                       | 67.2 | 79.4 | 9.9 | 52.6                      | 63.2 | 77.1 | 11.7 | 19.438680             | -96.898106 |
| Coatepec        | 19.10           | 1  | 0  | 8830  | 36.9                   | 41.3 | 52.4 | 6.4  | 36.3                       | 42.3 | 53.2 | 6.7 | 34.0                      | 38.5 | 53.6 | 7.3  | 19.446895             | -96.931838 |

60 C A R R : Libramiento de Acayucan

CLAVE: 30736

ruta: VER

AÑO : 2013

| L U G A R                                     | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-----------------------------------------------|-----------------|----|----|-------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                               | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Coatzacoalcos - Salina Cruz (1º Acceso) | 0.00            |    |    |       |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |
| T. C. Coatzacoalcos - Salina Cruz (2º Acceso) | 3.10            | 1  | 0  | 11662 | 68.8                   | 78.5 | 93.2 | 11.4 | 69.4                       | 76.5 | 88.6 | 9.8 | 66.3                      | 74.4 | 91.4 | 10.7 | 17.933601             | -94.916212 |

61 C A R R : Libramiento de Tuxpam

CLAVE: 30714

ruta: VER

AÑO : 2013

| L U G A R              | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                        | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Tuxpam - Tampico | 0.00            | 3  | 0  | 5456 | 47.7                   | 57.9 | 81.4 | 12.1 | 48.0                       | 54.1 | 73.6 | 10.1 | 48.3                      | 55.7 | 83.6 | 12.5 | 20.958759             | -97.446751 |
| T. C. Pachuca - Tuxpam | 9.00            |    |    |      |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |            |

VERACRUZ

|                                                   |                 |    |    |              |                        |      |      |               |                            |      |      |            |                           |      |      |      |                       |          |      |           |            |
|---------------------------------------------------|-----------------|----|----|--------------|------------------------|------|------|---------------|----------------------------|------|------|------------|---------------------------|------|------|------|-----------------------|----------|------|-----------|------------|
| 62 C A R R : Mata de Espino - Ignacio de La Llave |                 |    |    | CLAVE: 30733 |                        |      |      | RUTA: VER     |                            |      |      | AÑO : 2013 |                           |      |      |      |                       |          |      |           |            |
| L U G A R                                         | E S T A C I O N |    |    |              | VELOCIDAD AUTOS (km/h) |      |      |               | VELOCIDAD AUTOBUSES (km/h) |      |      |            | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |          |      |           |            |
|                                                   | KM              | TE | SC | TDPA         | Promedio               | P 85 | P 98 | δ             | Promedio                   | P 85 | P 98 | δ          | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud |      |           |            |
| T. C. Córdoba - Ent. Boticaria                    |                 |    |    | 0.00         | 3                      | 0    | 2190 | 40.2          | 44.2                       | 54.8 | 7.5  | 37.8       | 42.2                      | 52.0 | 6.5  | 39.8 | 47.7                  | 54.2     | 8.6  | 18.831385 | -96.320695 |
| Piedras Negras                                    |                 |    |    | 20.00        | 3                      | 0    | 6406 | 39.6          | 43.7                       | 54.7 | 7.4  | 37.7       | 41.8                      | 52.2 | 6.7  | 37.8 | 44.0                  | 54.1     | 8.1  | 18.769105 | -96.165803 |
| T. Izq. Tlalixcoyan                               |                 |    |    | 25.00        | 3                      | 0    | 5015 | 52.7          | 61.1                       | 77.9 | 9.9  | 49.3       | 57.7                      | 73.1 | 10.5 | 48.6 | 58.1                  | 76.6     | 11.1 | 18.744691 | -96.138297 |
| Ignacio de La Llave                               |                 |    |    | 44.00        | 1                      | 0    | 3576 | 62.4          | 76.3                       | 96.8 | 14.7 | 58.9       | 78.3                      | 95.8 | 16.8 | 55.9 | 71.8                  | 94.9     | 14.4 | 18.715760 | -95.991112 |
| 63 C A R R : Mata Redonda - Joachín               |                 |    |    | CLAVE: 30095 |                        |      |      | RUTA: VER-095 |                            |      |      | AÑO : 2013 |                           |      |      |      |                       |          |      |           |            |
| L U G A R                                         | E S T A C I O N |    |    |              | VELOCIDAD AUTOS (km/h) |      |      |               | VELOCIDAD AUTOBUSES (km/h) |      |      |            | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |          |      |           |            |
|                                                   | KM              | TE | SC | TDPA         | Promedio               | P 85 | P 98 | δ             | Promedio                   | P 85 | P 98 | δ          | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud |      |           |            |
| T. C. La Tinaja - Santa Cruz                      |                 |    |    | 0.00         | 3                      | 0    | 1478 | 49.6          | 58.1                       | 71.8 | 10.5 | 43.5       | 50.3                      | 64.1 | 8.5  | 45.6 | 52.5                  | 66.8     | 9.6  | 18.637132 | -96.415844 |
| Joachín                                           |                 |    |    | 20.00        |                        |      |      |               |                            |      |      |            |                           |      |      |      |                       |          |      |           |            |
| 64 C A R R : Nuevo Teapa - Agua Dulce             |                 |    |    | CLAVE: 30007 |                        |      |      | RUTA: VER     |                            |      |      | AÑO : 2013 |                           |      |      |      |                       |          |      |           |            |
| L U G A R                                         | E S T A C I O N |    |    |              | VELOCIDAD AUTOS (km/h) |      |      |               | VELOCIDAD AUTOBUSES (km/h) |      |      |            | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |          |      |           |            |
|                                                   | KM              | TE | SC | TDPA         | Promedio               | P 85 | P 98 | δ             | Promedio                   | P 85 | P 98 | δ          | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud |      |           |            |
| Nuevo Teapa                                       |                 |    |    | 0.00         |                        |      |      |               |                            |      |      |            |                           |      |      |      |                       |          |      |           |            |
| Agua Dulce                                        |                 |    |    | 25.00        | 1                      | 0    | 943  | 44.7          | 52.5                       | 63.7 | 10.0 | 44.3       | 51.7                      | 60.6 | 9.5  | 46.1 | 52.4                  | 59.9     | 9.5  | 18.135412 | -94.169901 |
| 65 C A R R : Peñuela - Santa Rita                 |                 |    |    | CLAVE: 30058 |                        |      |      | RUTA: VER     |                            |      |      | AÑO : 2013 |                           |      |      |      |                       |          |      |           |            |
| L U G A R                                         | E S T A C I O N |    |    |              | VELOCIDAD AUTOS (km/h) |      |      |               | VELOCIDAD AUTOBUSES (km/h) |      |      |            | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |          |      |           |            |
|                                                   | KM              | TE | SC | TDPA         | Promedio               | P 85 | P 98 | δ             | Promedio                   | P 85 | P 98 | δ          | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud |      |           |            |
| Peñuela                                           |                 |    |    | 0.00         | 3                      | 0    | 8602 | 41.4          | 46.9                       | 60.7 | 8.3  | 38.4       | 47.3                      | 54.9 | 9.7  | 37.6 | 46.1                  | 60.1     | 9.8  | 18.862306 | -96.877990 |
| Paso del Macho                                    |                 |    |    | 20.00        | 3                      | 0    | 3576 | 70.2          | 81.1                       | 99.3 | 12.1 | 65.9       | 73.4                      | 84.1 | 9.0  | 66.8 | 78.1                  | 95.0     | 12.0 | 18.980541 | -96.710166 |
| Villa Tejeda                                      |                 |    |    | 38.00        | 1                      | 0    | 1841 | 67.9          | 78.8                       | 94.8 | 11.8 | 61.1       | 68.9                      | 82.4 | 9.1  | 60.2 | 70.3                  | 84.8     | 10.6 | 19.031920 | -96.619713 |
| Soledad Doblado                                   |                 |    |    | 65.00        | 1                      | 0    | 3617 | 39.4          | 44.0                       | 54.8 | 7.6  | 37.0       | 45.3                      | 53.7 | 9.5  | 40.3 | 49.9                  | 54.7     | 10.6 | 19.036513 | -96.431668 |
| Soledad Doblado                                   |                 |    |    | 65.00        | 3                      | 0    | 5833 | 60.4          | 70.2                       | 89.6 | 11.2 | 56.6       | 67.3                      | 82.4 | 11.1 | 56.8 | 66.1                  | 91.0     | 10.6 | 19.048232 | -96.404250 |
| T. C. Xalapa - Veracruz                           |                 |    |    | 71.00        | 1                      | 0    | 8666 | 43.8          | 52.2                       | 66.8 | 10.1 | 46.3       | 52.8                      | 66.0 | 8.7  | 48.4 | 53.1                  | 62.2     | 9.0  | 19.179237 | -96.261624 |
| 66 C A R R : Poza Rica - Cazones                  |                 |    |    | CLAVE: 30075 |                        |      |      | RUTA: VER-075 |                            |      |      | AÑO : 2013 |                           |      |      |      |                       |          |      |           |            |
| L U G A R                                         | E S T A C I O N |    |    |              | VELOCIDAD AUTOS (km/h) |      |      |               | VELOCIDAD AUTOBUSES (km/h) |      |      |            | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |          |      |           |            |
|                                                   | KM              | TE | SC | TDPA         | Promedio               | P 85 | P 98 | δ             | Promedio                   | P 85 | P 98 | δ          | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud |      |           |            |
| Poza Rica                                         |                 |    |    | 0.00         | 3                      | 0    | 4878 | 43.6          | 50.8                       | 66.5 | 8.8  | 41.9       | 50.0                      | 54.9 | 9.1  | 42.3 | 51.3                  | 62.5     | 10.7 | 20.587008 | -97.425068 |

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66 C A R R : Poza Rica - Cazonas

CLAVE: 30075

RUTA: VER-075

AÑO : 2013

| L U G A R                                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|--------------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                            | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| X. C. Gutiérrez Zamora - Tihuatlán (Cuota) | 13.70           | 3  | 0  | 4380 | 45.1                   | 53.8 | 72.4 | 10.0 | 48.4                       | 52.7 | 55.0 | 8.2 | 42.7                      | 52.0 | 73.2 | 11.3 | 20.633022             | -97.378986 |
| Cazonas                                    | 28.40           |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |

67 C A R R : Pueblo Viejo - T. C. (Cd. Valles - Tampico)

CLAVE: 30017

RUTA: VER

AÑO : 2013

| L U G A R                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|----------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                            | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Pueblo Viejo               | 0.00            | 3  | 0  | 3272 | 62.4                   | 74.4 | 94.3 | 13.2 | 59.6                       | 66.4 | 80.9 | 8.7 | 59.3                      | 68.4 | 84.9 | 10.5 | 22.206923             | -97.870146 |
| T. C. Cd. Valles - Tampico | 11.00           | 1  | 0  | 3847 | 39.0                   | 44.9 | 60.0 | 9.0  | 37.7                       | 45.5 | 54.4 | 9.1 | 31.9                      | 37.7 | 52.7 | 8.4  | 22.211297             | -97.946309 |

68 C A R R : Puerto Rico - Totutla

CLAVE: 30067

RUTA: VER

AÑO : 2013

| L U G A R                    | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                              | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Las Trancas - Coatepec | 0.00            | 3  | 0  | 3163 | 55.7                   | 61.6 | 73.2 | 7.5  | 51.0                       | 54.4 | 64.0 | 7.2 | 50.9                      | 55.8 | 66.3 | 8.7  | 19.436933             | -96.898082 |
| Tuzamapan                    | 4.20            | 3  | 0  | 4806 | 49.6                   | 57.0 | 69.8 | 10.0 | 47.6                       | 53.0 | 70.4 | 9.2 | 49.7                      | 54.2 | 73.2 | 10.3 | 19.399603             | -96.868945 |
| Totutla                      | 57.40           | 1  | 0  | 3253 | 47.6                   | 52.8 | 62.8 | 7.7  | 42.4                       | 48.2 | 54.5 | 7.8 | 44.1                      | 50.7 | 55.6 | 8.2  | 19.216559             | -96.972806 |
| T. C. Fortín - Conejos       | 58.00           |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |

69 C A R R : Ramal a Actopan

CLAVE: 30739

RUTA: VER

AÑO : 2013

| L U G A R               | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|-------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|------|------|---------------------------|------|-------|------|-----------------------|------------|
|                         | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Xalapa - Veracruz | 0.00            | 3  | 0  | 2434 | 78.6                   | 90.9 | 110.3 | 13.1 | 68.0                       | 79.9 | 94.7 | 12.1 | 70.3                      | 82.9 | 103.9 | 13.5 | 19.401062             | -96.615173 |
| Actopan                 | 19.00           | 1  | 0  | 3023 | 59.4                   | 68.9 | 84.2  | 11.2 | 58.2                       | 63.5 | 81.6 | 8.1  | 57.2                      | 66.4 | 84.0  | 11.2 | 19.508948             | -96.609090 |

70 C A R R : Ramal a Agua Dulce

CLAVE: 30739

RUTA: VER

AÑO : 2013

| L U G A R                          | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|------------------------------------|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                                    | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. Coatzacoalcos - Villahermosa | 0.00            | 3  | 0  | 6458 | 78.3                   | 90.6 | 114.7 | 13.2 | 76.8                       | 88.5 | 112.4 | 12.3 | 73.1                      | 87.2 | 116.3 | 14.8 | 18.063698             | -94.138586 |
| Tonalá                             | 21.00           |    |    |      |                        |      |       |      |                            |      |       |      |                           |      |       |      |                       |            |

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|                                     |  |  |  |                 |    |    |      |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |           |            |
|-------------------------------------|--|--|--|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|-----------|------------|
| 72 C A R R : Ramal a Estación Ochoa |  |  |  | CLAVE: 30712    |    |    |      |                        |      |      |      | RUTA: VER                  |      |      |      | AÑO : 2013                |      |      |      |                       |           |            |
| L U G A R                           |  |  |  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |           |            |
|                                     |  |  |  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud  |            |
| T. C. Cd. Valles - Tampico          |  |  |  | 0.00            |    | 3  | 0    | 1396                   | 45.0 | 54.7 | 73.3 | 11.7                       | 47.3 | 53.7 | 69.1 | 10.3                      | 47.7 | 53.1 | 60.3 | 9.9                   | 22.220299 | -98.004465 |
| Estación Ochoa                      |  |  |  | 9.00            |    |    |      |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |           |            |

|                             |  |  |  |  |                 |    |    |       |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |
|-----------------------------|--|--|--|--|-----------------|----|----|-------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
| 73 C A R R : Ramal a Jamapa |  |  |  |  | CLAVE: 30744    |    |    |       | RUTA: VER              |      |      |      | AÑO : 2013                 |      |      |     |                           |      |      |      |                       |            |
| L U G A R                   |  |  |  |  | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|                             |  |  |  |  | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Xalapa - Veracruz     |  |  |  |  | 0.00            | 3  | 1  | 15258 | 57.9                   | 63.9 | 74.9 | 8.7  | 55.0                       | 60.5 | 71.2 | 6.5 | 53.7                      | 62.2 | 74.6 | 10.0 | 19.134689             | -96.142661 |
| T. C. Xalapa - Veracruz     |  |  |  |  | 0.00            | 3  | 2  | 15399 | 57.8                   | 64.0 | 75.0 | 8.8  | 54.8                       | 60.6 | 71.6 | 6.9 | 53.8                      | 62.1 | 74.5 | 9.8  | 19.134776             | -96.142549 |
| Medellín                    |  |  |  |  | 10.00           | 1  | 0  | 6249  | 53.4                   | 61.2 | 74.4 | 9.3  | 55.2                       | 60.7 | 71.3 | 6.7 | 52.7                      | 60.1 | 73.5 | 9.9  | 19.065619             | -96.160039 |
| Jamapa                      |  |  |  |  | 20.00           | 1  | 0  | 3343  | 48.6                   | 57.8 | 72.8 | 10.8 | 52.5                       | 60.1 | 72.1 | 9.4 | 49.8                      | 57.7 | 72.1 | 10.9 | 19.040823             | -96.234576 |

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|                                   |  |  |  |                 |     |     |         |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |           |            |
|-----------------------------------|--|--|--|-----------------|-----|-----|---------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|-----------|------------|
| 75 C A R R : Ramal a Suchilapan   |  |  |  | CLAVE: 30721    |     |     |         |                        |      |      |      | RUTA: VER                  |      |      |      | AÑO : 2013                |      |      |      |                       |           |            |
| L U G A R                         |  |  |  | E S T A C I O N |     |     |         | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |           |            |
|                                   |  |  |  | KM              | T E | S C | T D P A | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud  |            |
| T. C. Coatzacoalcos - Salina Cruz |  |  |  | 0.00            |     | 3   | 0       | 1167                   | 50.6 | 55.1 | 64.9 | 8.1                        | 48.9 | 52.9 | 63.3 | 7.4                       | 48.9 | 53.1 | 62.6 | 8.1                   | 17.365338 | -95.047221 |
| Suchilapan                        |  |  |  | 8.00            |     |     |         |                        |      |      |      |                            |      |      |      |                           |      |      |      |                       |           |            |

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76 C A R R : Ramal a Zempoala

CLAVE: 30192

RUTA: VER-192

AÑO: 2013

| L U G A R                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|----------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
|                            | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| T. C. Poza Rica - Veracruz | 0.00            | 3  | 0  | 5007 | 59.0                   | 66.7 | 80.5 | 10.0 | 57.7                       | 62.2 | 70.6 | 6.9 | 56.5                      | 62.5 | 76.9 | 9.0 | 19.436226             | -96.390438 |
| Zempoala                   | 4.00            |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |     |                       |            |

77 C A R R : San Alejo - Huayacocotla

CLAVE: 00132

RUTA: HGO-051-VER-113

AÑO: 2013

| L U G A R                        | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|----------------------------------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| T. C. Pachuca - Tuxpam           | 0.00            | 3  | 0  | 4945 | 34.6                   | 38.1 | 45.9 | 5.3 | 33.4                       | 35.0 | 52.1 | 6.5 | 37.4                      | 49.3 | 54.3 | 10.5 | 20.154217             | -98.286423 |
| Metepec                          | 11.80           | 3  | 0  | 3921 | 34.5                   | 37.9 | 46.3 | 5.3 | 33.3                       | 34.7 | 51.5 | 6.2 | 35.4                      | 46.0 | 53.9 | 8.1  | 20.242703             | -98.330858 |
| Agua Blanca                      | 29.48           | 3  | 0  | 2873 | 41.9                   | 49.2 | 62.2 | 8.9 | 34.6                       | 42.8 | 54.9 | 9.6 | 35.3                      | 45.3 | 54.8 | 10.1 | 20.353651             | -98.360824 |
| Lim. Edos. Term. Hgo. Ppia. Ver. | 36.48           |    |    |      |                        |      |      |     |                            |      |      |     |                           |      |      |      |                       |            |
| Huayacocotla                     | 66.00           | 1  | 0  | 2018 | 55.0                   | 61.6 | 72.3 | 7.7 | 47.8                       | 54.7 | 68.0 | 9.6 | 49.2                      | 53.5 | 63.8 | 8.8  | 20.527352             | -98.492960 |

78 C A R R : San Sebastián - Chicontepec

CLAVE: 30083

RUTA: VER-083

AÑO: 2013

| L U G A R                       | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|---------------------------------|-----------------|----|----|------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                                 | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| San Sebastián                   | 0.00            | 3  | 0  | 1799 | 30.2                   | 34.0 | 48.5 | 7.6 | 30.5                       | 45.4 | 53.7 | 9.0 | 32.3                      | 48.1 | 54.1 | 11.5 | 21.211857             | -98.133454 |
| Chicontepec de Tejeda           | 36.24           | 1  | 0  | 2584 | 40.5                   | 43.6 | 53.0 | 6.8 | 40.9                       | 42.6 | 44.7 | 5.1 | 43.7                      | 51.6 | 55.6 | 10.1 | 20.967873             | -98.162108 |
| T. C. Álamo - Huejutla de Reyes | 48.00           |    |    |      |                        |      |      |     |                            |      |      |     |                           |      |      |      |                       |            |

79 C A R R : Santiago Tuxtla - Playa Vicente

CLAVE: 30025

RUTA: VER

AÑO: 2013

| L U G A R                           | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |      | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-------------------------------------|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|------|---------------------------|------|------|------|-----------------------|------------|
|                                     | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ    | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Santiago Tuxtla                     | 0.00            | 3  | 0  | 6218 | 46.8                   | 53.2 | 64.0 | 8.8  | 43.8                       | 50.6 | 55.0 | 8.5  | 46.2                      | 52.4 | 59.7 | 9.6  | 18.449868             | -95.315701 |
| X. C. Cd. Alemán - Sayula de Alemán | 55.00           | 1  | 0  | 4379 | 44.4                   | 52.1 | 64.8 | 9.2  | 43.5                       | 50.5 | 54.7 | 8.5  | 40.6                      | 51.2 | 59.8 | 12.1 | 18.075059             | -95.532095 |
| Isla                                | 59.80           | 1  | 1  | 4373 | 69.9                   | 81.8 | 99.9 | 13.0 | 66.6                       | 77.4 | 91.3 | 10.8 | 64.1                      | 75.6 | 94.1 | 12.5 | 18.058157             | -95.529894 |
| Isla                                | 59.80           | 1  | 2  | 4296 | 56.1                   | 62.5 | 73.5 | 8.2  | 49.7                       | 57.2 | 70.0 | 9.4  | 48.6                      | 56.5 | 70.8 | 10.4 | 18.058125             | -95.529800 |
| Playa Vicente                       | 106.00          | 1  | 0  | 2602 | 51.1                   | 59.7 | 74.4 | 10.3 | 48.9                       | 59.1 | 71.9 | 11.6 | 49.6                      | 55.6 | 72.7 | 9.7  | 17.836822             | -95.798512 |

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|                                          |  |  |  |                 |    |    |      |                        |      |       |      |                            |      |       |      |                           |      |       |      |                       |            |
|------------------------------------------|--|--|--|-----------------|----|----|------|------------------------|------|-------|------|----------------------------|------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
| 80 C A R R : Sierra de Agua - Magueyitos |  |  |  |                 |    |    |      | CLAVE: 30716           |      |       |      | RUTA: VER                  |      |       |      | AÑO : 2013                |      |       |      |                       |            |
| L U G A R                                |  |  |  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|                                          |  |  |  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| T. C. San Hipólito - Jalapa              |  |  |  | 0.00            | 3  | 0  | 4136 | 64.6                   | 73.1 | 84.7  | 9.8  | 55.9                       | 62.3 | 73.3  | 7.7  | 55.9                      | 62.4 | 78.2  | 7.9  | 19.616927             | -97.188951 |
| T. C. Teziutlán - Perote                 |  |  |  | 9.00            | 1  | 0  | 2973 | 76.3                   | 88.2 | 106.9 | 12.8 | 69.7                       | 82.0 | 102.2 | 13.7 | 67.2                      | 81.1 | 104.4 | 14.7 | 19.659492             | -97.240699 |

|                                                                 |  |  |  |                 |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |     |                       |            |
|-----------------------------------------------------------------|--|--|--|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
| 81 C A R R : T. C. (Coatzacoalcos - Villahermosa) - Las Choapas |  |  |  |                 |    |    |      | CLAVE: 30749           |      |      |      | RUTA: VER                  |      |      |     | AÑO: 2013                 |      |      |     |                       |            |
| L U G A R                                                       |  |  |  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|                                                                 |  |  |  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| T. C. Coatzacoalcos - Villahermosa                              |  |  |  | 0.00            | 3  | 0  | 4709 | 61.5                   | 70.9 | 88.6 | 10.5 | 57.1                       | 64.5 | 78.8 | 8.9 | 56.0                      | 63.2 | 81.4 | 8.7 | 18.050620             | -94.125347 |
| Las Choapas                                                     |  |  |  | 17.50           |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |     |                       |            |

|                                         |  |  |  |                 |    |    |              |                        |      |      |           |                            |      |      |            |                           |      |      |     |                       |            |
|-----------------------------------------|--|--|--|-----------------|----|----|--------------|------------------------|------|------|-----------|----------------------------|------|------|------------|---------------------------|------|------|-----|-----------------------|------------|
| 82 C A R R : Tantoyuca - Platón Sánchez |  |  |  |                 |    |    | CLAVE: 30193 |                        |      |      | RUTA: VER |                            |      |      | AÑO : 2013 |                           |      |      |     |                       |            |
| L U G A R                               |  |  |  | E S T A C I O N |    |    |              | VELOCIDAD AUTOS (km/h) |      |      |           | VELOCIDAD AUTOBUSES (km/h) |      |      |            | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|                                         |  |  |  | KM              | TE | SC | TDPA         | Promedio               | P 85 | P 98 | δ         | Promedio                   | P 85 | P 98 | δ          | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| Tantoyuca                               |  |  |  | 0.00            | 3  | 0  | 2648         | 38.9                   | 43.4 | 53.8 | 7.6       | 35.4                       | 43.6 | 54.4 | 7.9        | 36.9                      | 45.0 | 54.6 | 9.8 | 21.337885             | -98.236575 |
| T. C. Pachuca - Tempoal                 |  |  |  | 17.20           |    |    |              |                        |      |      |           |                            |      |      |            |                           |      |      |     |                       |            |

|                                       |  |  |  |                 |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |
|---------------------------------------|--|--|--|-----------------|----|----|------|------------------------|------|------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
| 83 C A R R : Túxpam - Barra de Túxpam |  |  |  |                 |    |    |      | CLAVE: 30743           |      |      |      | RUTA: VER                  |      |      |     | AÑO : 2013                |      |      |      |                       |            |
| L U G A R                             |  |  |  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |      |      |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|                                       |  |  |  | KM              | TE | SC | TDPA | Promedio               | P 85 | P 98 | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Túxpam                                |  |  |  | 0.00            | 3  | 1  | 6364 | 51.8                   | 59.7 | 72.7 | 9.7  | 49.3                       | 52.4 | 54.8 | 6.5 | 45.4                      | 52.3 | 64.4 | 8.6  | 20.953185             | -97.349633 |
| Túxpam                                |  |  |  | 0.00            | 3  | 2  | 6354 | 50.9                   | 59.3 | 72.9 | 10.3 | 49.2                       | 52.8 | 56.7 | 7.4 | 45.8                      | 54.4 | 68.3 | 10.5 | 20.953273             | -97.349705 |
| Barra de Túxpam                       |  |  |  | 11.00           |    |    |      |                        |      |      |      |                            |      |      |     |                           |      |      |      |                       |            |

|                                |  |  |  |                 |    |    |       |                        |      |      |     |                            |      |      |     |                           |      |      |     |                       |            |
|--------------------------------|--|--|--|-----------------|----|----|-------|------------------------|------|------|-----|----------------------------|------|------|-----|---------------------------|------|------|-----|-----------------------|------------|
| 84 C A R R : Xalapa - Coatepec |  |  |  |                 |    |    |       | CLAVE: 30718           |      |      |     | RUTA: VER                  |      |      |     | AÑO : 2013                |      |      |     |                       |            |
| L U G A R                      |  |  |  | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |      |     | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |     | C O O R D E N A D A S |            |
|                                |  |  |  | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98 | δ   | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ   | Latitud               | Longitud   |
| Xalapa                         |  |  |  | 0.00            | 3  | 1  | 18282 | 58.1                   | 61.5 | 68.4 | 5.8 | 54.9                       | 58.1 | 64.7 | 4.6 | 54.6                      | 57.6 | 64.7 | 4.9 | 19.501127             | -96.936362 |
| Xalapa                         |  |  |  | 0.00            | 3  | 2  | 19622 | 57.3                   | 62.0 | 72.2 | 6.9 | 55.2                       | 58.9 | 64.9 | 4.9 | 54.5                      | 58.8 | 65.2 | 5.8 | 19.501256             | -96.936211 |
| Coatepec                       |  |  |  | 9.50            | 1  | 1  | 19702 | 58.5                   | 61.8 | 69.1 | 5.8 | 54.5                       | 54.6 | 63.3 | 3.2 | 54.3                      | 54.5 | 63.4 | 3.6 | 19.462632             | -96.948754 |
| Coatepec                       |  |  |  | 9.50            | 1  | 2  | 20746 | 57.0                   | 61.8 | 71.9 | 6.8 | 55.1                       | 57.5 | 64.1 | 4.0 | 54.2                      | 58.0 | 64.9 | 5.7 | 19.462666             | -96.948651 |



VERACRUZ

85 C A R R : Paso del Toro - Laguna de San Julián

CLAVE: 30745

RUTA: MEX-VER

AÑO: 2013

| L U G A R                  | E S T A C I O N |    |    |      | VELOCIDAD AUTOS (km/h) |       |       |      | VELOCIDAD AUTOBUSES (km/h) |       |       |      | VELOCIDAD CAMIONES (km/h) |      |       |      | C O O R D E N A D A S |            |
|----------------------------|-----------------|----|----|------|------------------------|-------|-------|------|----------------------------|-------|-------|------|---------------------------|------|-------|------|-----------------------|------------|
|                            | KM              | TE | SC | TDPA | Promedio               | P 85  | P 98  | δ    | Promedio                   | P 85  | P 98  | δ    | Promedio                  | P 85 | P 98  | δ    | Latitud               | Longitud   |
| Paso del Toro              | 0.00            | 3  | 1  | 5009 | 79.6                   | 91.5  | 106.4 | 12.8 | 71.6                       | 81.2  | 94.1  | 11.2 | 69.6                      | 79.8 | 97.1  | 11.7 | 19.027449             | -96.140579 |
| Paso del Toro              | 0.00            | 3  | 2  | 4515 | 77.8                   | 91.8  | 111.3 | 14.6 | 68.8                       | 79.9  | 93.6  | 11.8 | 66.8                      | 77.1 | 94.5  | 11.5 | 19.027498             | -96.140520 |
| X. C. Xalapa - Veracruz    | 24.80           | 1  | 1  | 4468 | 96.5                   | 114.6 | 138.1 | 17.6 | 90.1                       | 111.1 | 140.3 | 19.5 | 79.1                      | 96.4 | 132.1 | 17.7 | 19.176401             | -96.269669 |
| X. C. Xalapa - Veracruz    | 24.80           | 1  | 2  | 4499 | 89.1                   | 106.4 | 136.4 | 17.2 | 80.9                       | 109.4 | 141.1 | 20.9 | 76.5                      | 89.4 | 135.4 | 15.0 | 19.176421             | -96.269581 |
| X. C. Xalapa - Veracruz    | 24.80           | 3  | 1  | 6154 | 91.9                   | 108.2 | 127.0 | 16.1 | 76.9                       | 89.8  | 103.7 | 13.5 | 72.7                      | 85.4 | 106.7 | 14.3 | 19.215052             | -96.258115 |
| X. C. Xalapa - Veracruz    | 24.80           | 3  | 2  | 6136 | 82.5                   | 102.9 | 123.4 | 19.7 | 73.3                       | 89.2  | 116.5 | 15.9 | 70.2                      | 83.8 | 111.4 | 14.6 | 19.215131             | -96.258037 |
| X. C. Poza Rica - Veracruz | 32.50           | 1  | 1  | 6502 | 98.1                   | 115.9 | 138.4 | 17.5 | 84.4                       | 102.0 | 132.5 | 16.2 | 76.2                      | 92.8 | 128.1 | 16.6 | 19.232622             | -96.258180 |
| X. C. Poza Rica - Veracruz | 32.50           | 1  | 2  | 6123 | 98.1                   | 115.9 | 138.5 | 17.5 | 84.6                       | 101.7 | 132.5 | 15.9 | 76.2                      | 93.0 | 127.7 | 16.6 | 19.232614             | -96.258068 |
| X. C. Poza Rica - Veracruz | 32.50           | 3  | 0  | 1273 | 40.2                   | 49.6  | 63.4  | 10.8 | 45.3                       | 51.8  | 58.7  | 8.4  | 45.8                      | 52.5 | 54.9  | 10.6 | 19.245027             | -96.257765 |
| Laguna de San Julián       | 34.00           |    |    |      |                        |       |       |      |                            |       |       |      |                           |      |       |      |                       |            |

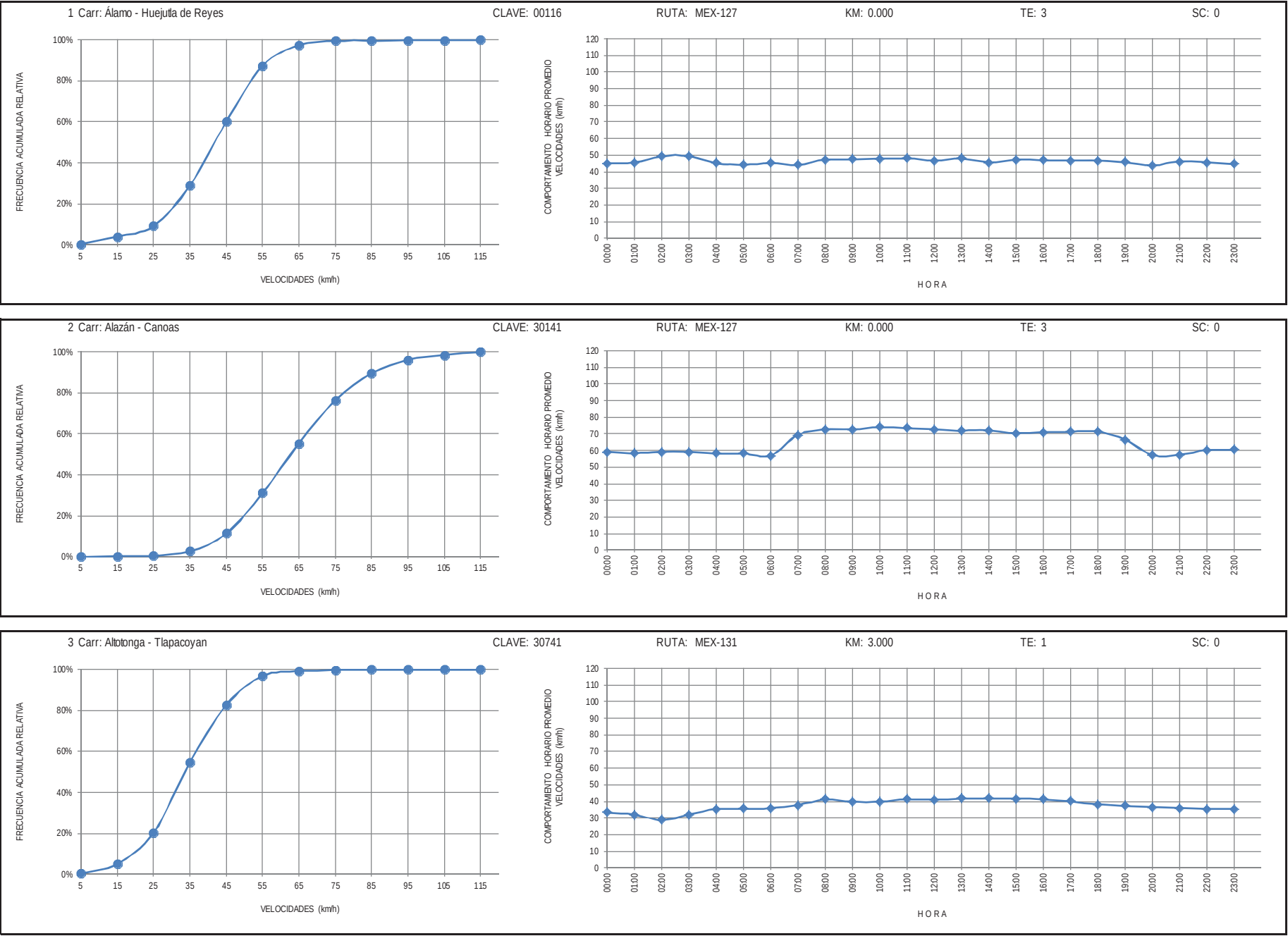
86 C A R R : Poza Rica - María de La Torre

CLAVE: 30234

RUTA: MEX-127-VER

AÑO: 2013

| L U G A R         | E S T A C I O N |    |    |       | VELOCIDAD AUTOS (km/h) |      |       |      | VELOCIDAD AUTOBUSES (km/h) |      |      |     | VELOCIDAD CAMIONES (km/h) |      |      |      | C O O R D E N A D A S |            |
|-------------------|-----------------|----|----|-------|------------------------|------|-------|------|----------------------------|------|------|-----|---------------------------|------|------|------|-----------------------|------------|
|                   | KM              | TE | SC | TDPA  | Promedio               | P 85 | P 98  | δ    | Promedio                   | P 85 | P 98 | δ   | Promedio                  | P 85 | P 98 | δ    | Latitud               | Longitud   |
| Poza Rica         | 0.00            | 3  | 1  | 17169 | 52.1                   | 56.2 | 68.4  | 7.4  | 48.8                       | 53.2 | 64.3 | 7.6 | 47.8                      | 53.0 | 64.4 | 7.8  | 20.519475             | -97.468290 |
| Poza Rica         | 0.00            | 3  | 2  | 16871 | 55.0                   | 60.4 | 72.3  | 6.5  | 51.1                       | 55.3 | 68.2 | 8.1 | 50.0                      | 56.0 | 70.2 | 9.2  | 20.519557             | -97.468120 |
| Coatzintla        | 5.00            | 1  | 1  | 10571 | 36.5                   | 40.4 | 118.0 | 11.2 | 34.4                       | 40.0 | 54.2 | 8.4 | 36.2                      | 47.4 | 64.5 | 11.0 | 20.500700             | -97.468886 |
| Coatzintla        | 5.00            | 1  | 2  | 9329  | 36.9                   | 41.2 | 115.7 | 11.3 | 32.3                       | 37.7 | 54.6 | 9.8 | 33.9                      | 47.1 | 62.0 | 11.5 | 20.500741             | -97.468810 |
| T. Izq. Papantla  | 19.80           | 1  | 0  | 6845  | 54.5                   | 62.6 | 76.5  | 9.3  | 54.7                       | 62.4 | 74.7 | 8.9 | 53.1                      | 60.9 | 74.5 | 9.6  | 20.429552             | -97.368763 |
| T. Izq. Papantla  | 19.80           | 3  | 0  | 4717  | 58.1                   | 66.0 | 80.5  | 10.1 | 54.6                       | 58.1 | 64.9 | 5.2 | 54.3                      | 62.5 | 75.6 | 9.7  | 20.428986             | -97.365973 |
| San Andrés        | 41.80           | 1  | 0  | 2356  | 29.3                   | 33.3 | 44.3  | 7.2  | 28.1                       | 33.1 | 53.4 | 8.6 | 29.1                      | 46.1 | 54.2 | 11.5 | 20.371963             | -97.179698 |
| San Andrés        | 41.80           | 3  | 0  | 2102  | 26.1                   | 29.8 | 42.5  | 5.6  | 23.5                       | 27.9 | 52.1 | 8.2 | 29.2                      | 48.8 | 54.2 | 13.8 | 20.370717             | -97.176538 |
| María de La Torre | 81.00           | 1  | 0  | 4232  | 44.1                   | 51.6 | 64.6  | 9.1  | 48.7                       | 51.9 | 54.9 | 6.2 | 47.2                      | 52.5 | 64.8 | 8.3  | 20.133727             | -96.997342 |



4 Carr: Buenavista - Tuxtepec

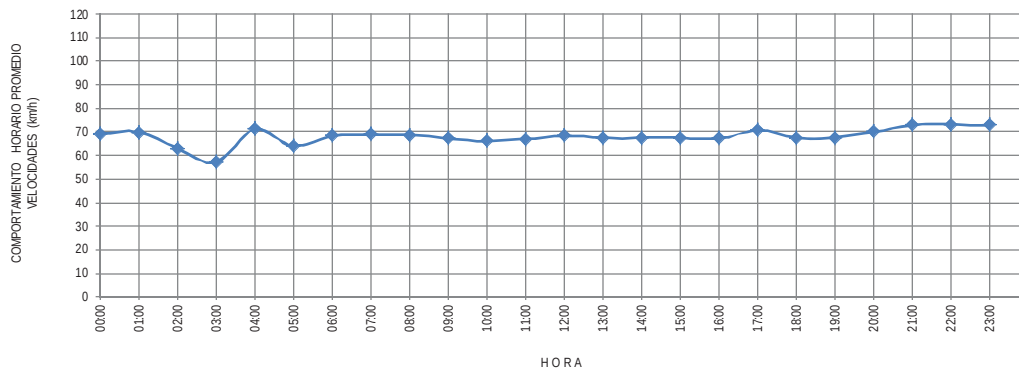
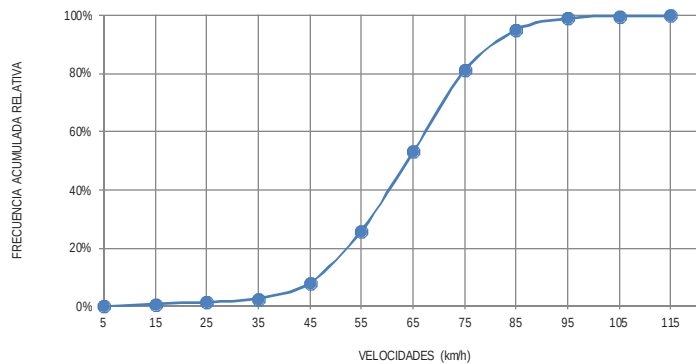
CLAVE: 00624

ruta: MEX-175

KM: 0.000

TE: 3

SC: 0



5 Carr: Cd. Alemán - Sayula

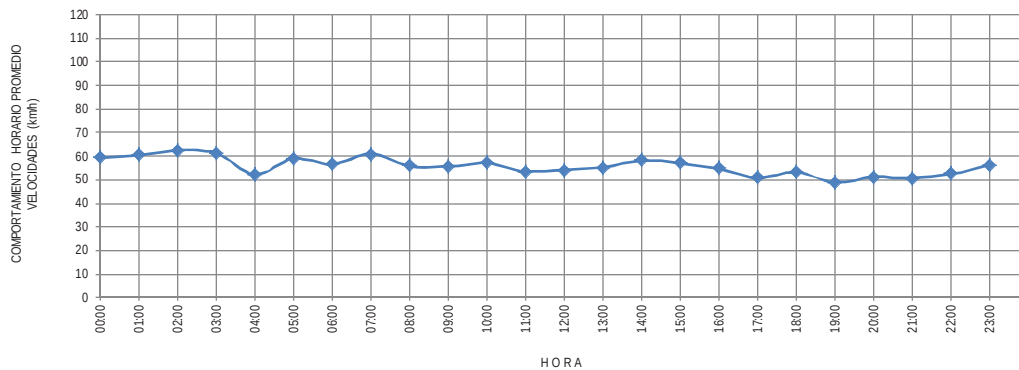
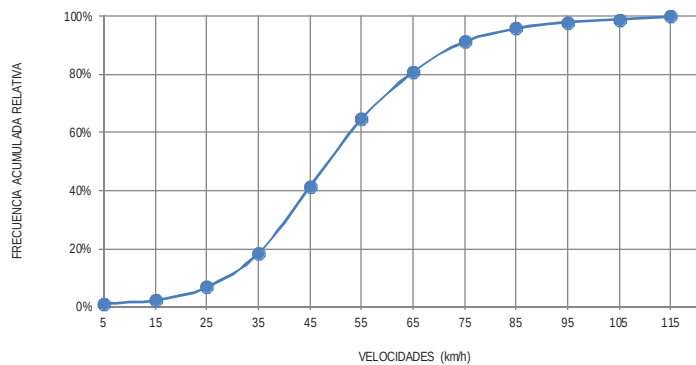
CLAVE: 00301

ruta: MEX-145

KM: 0.000

TE: 3

SC: 0



6 Carr: Cd. Valles - Tampico

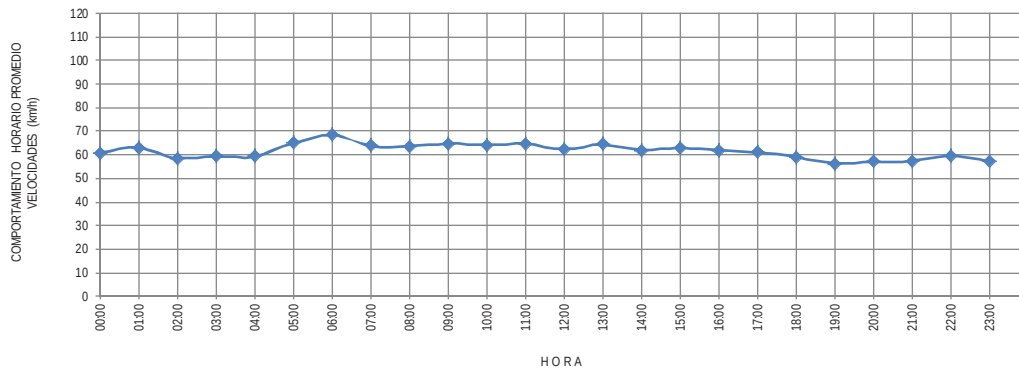
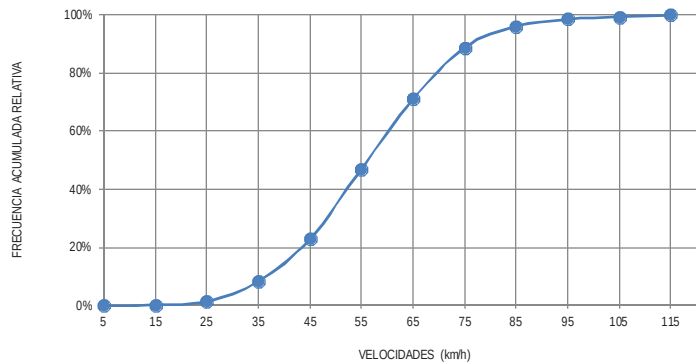
CLAVE: 00138

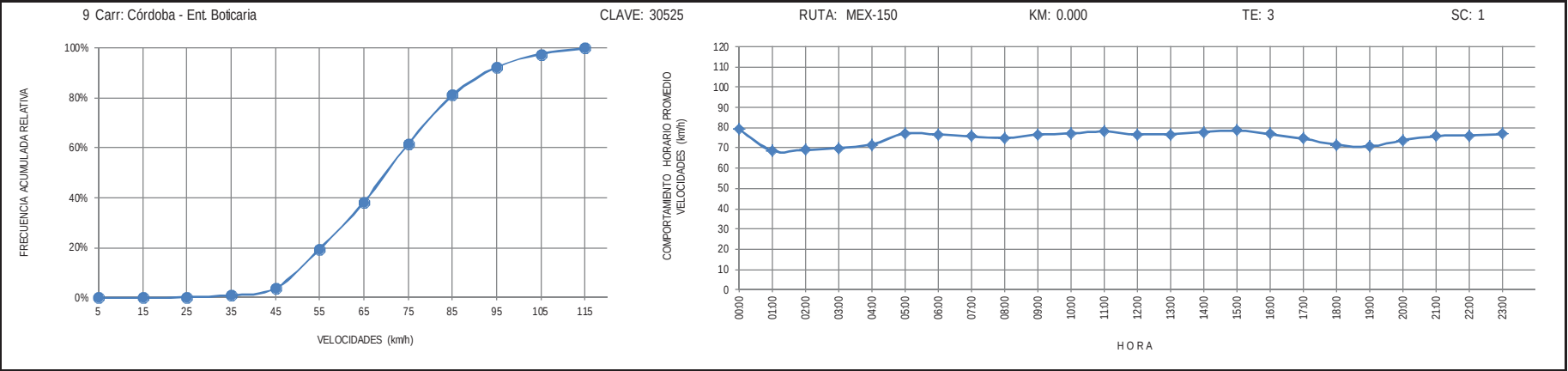
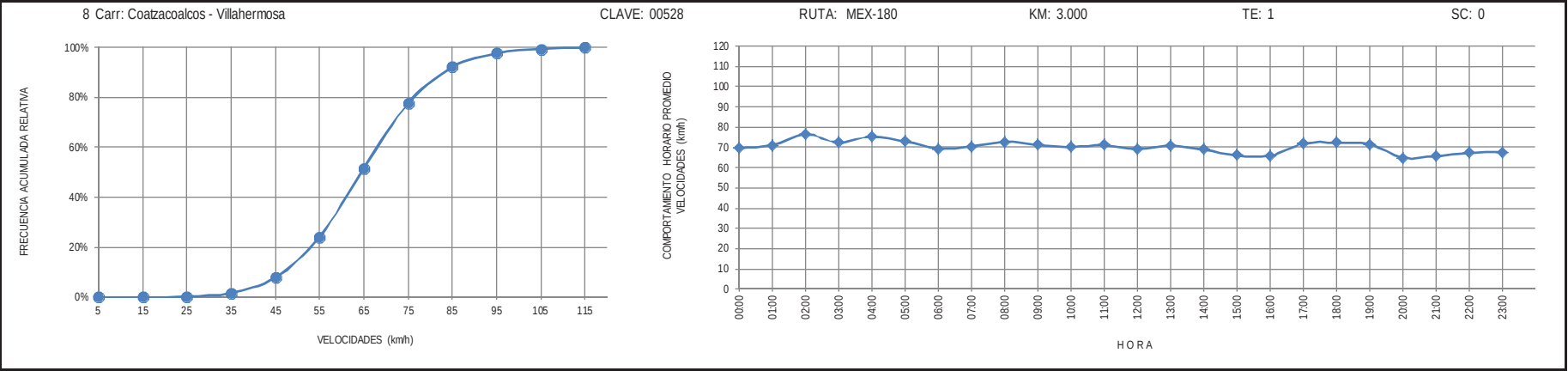
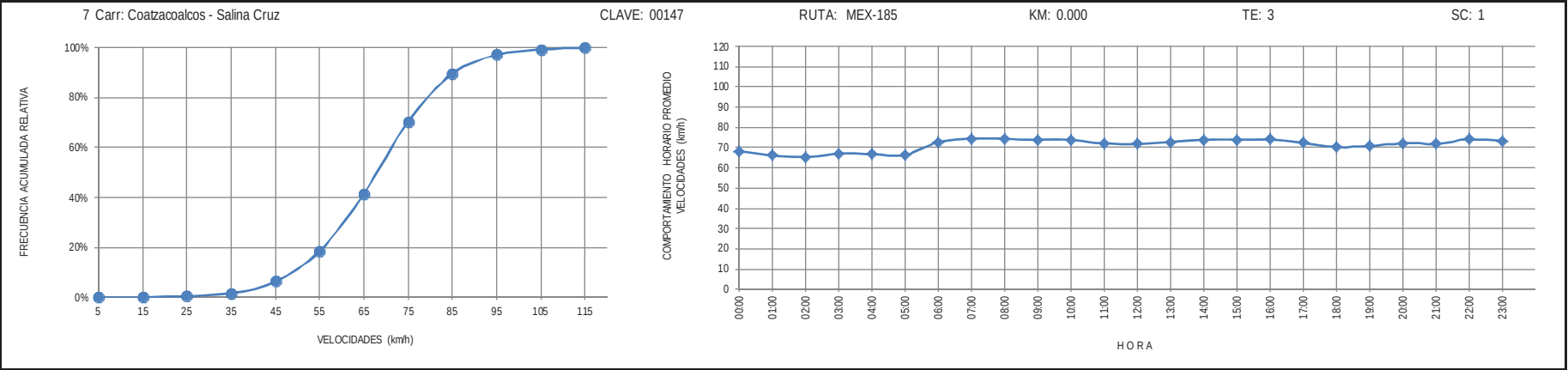
ruta: MEX-070

KM: 0.000

TE: 3

SC: 0





10 Carr: Cosoleacaque - Soteapan

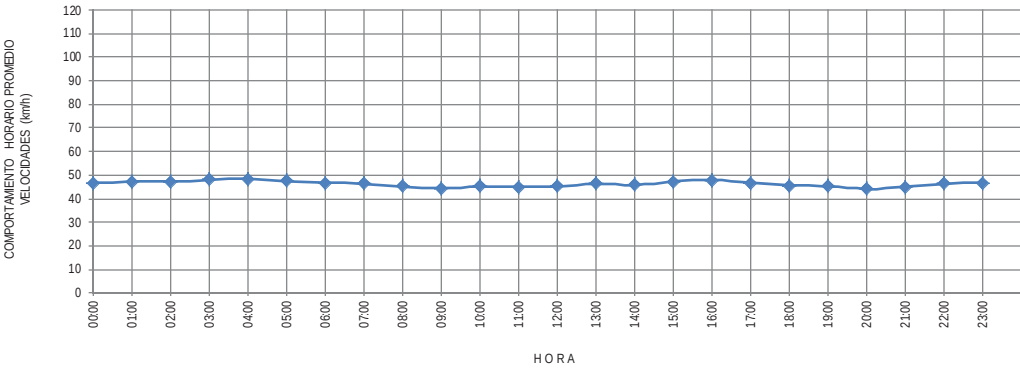
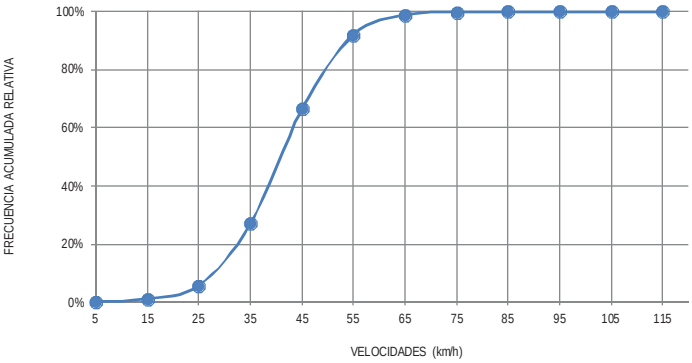
CLAVE: 30068

ruta: MEX-185

KM: 0.000

TE: 3

SC: 0



11 Carr: Fortín - Conejos

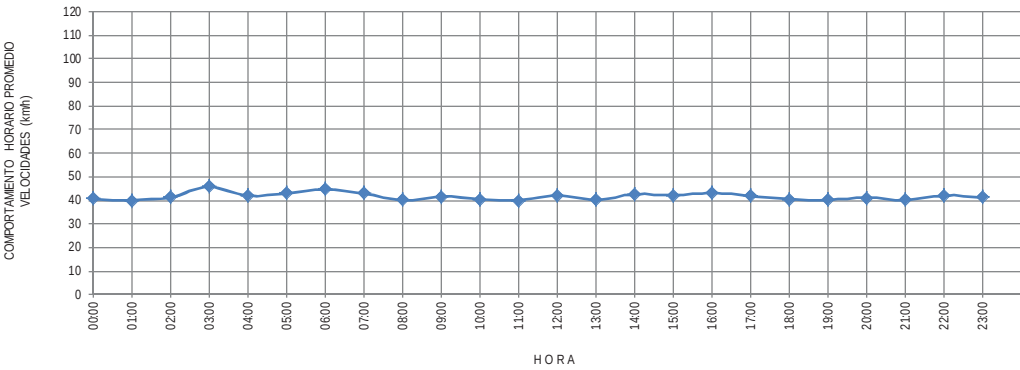
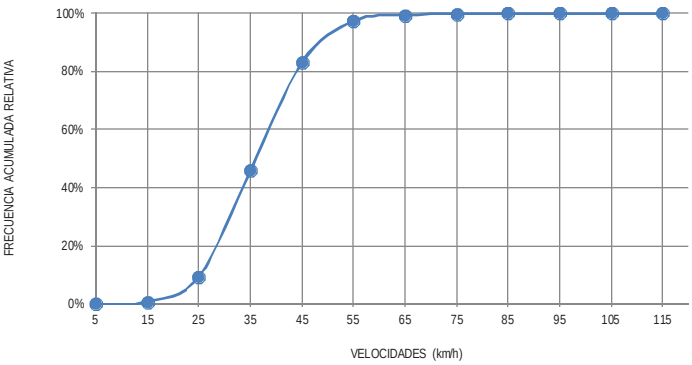
CLAVE: 30143

ruta: MEX-125

KM: 0.000

TE: 3

SC: 0



12 Carr: La Granja - Temascal

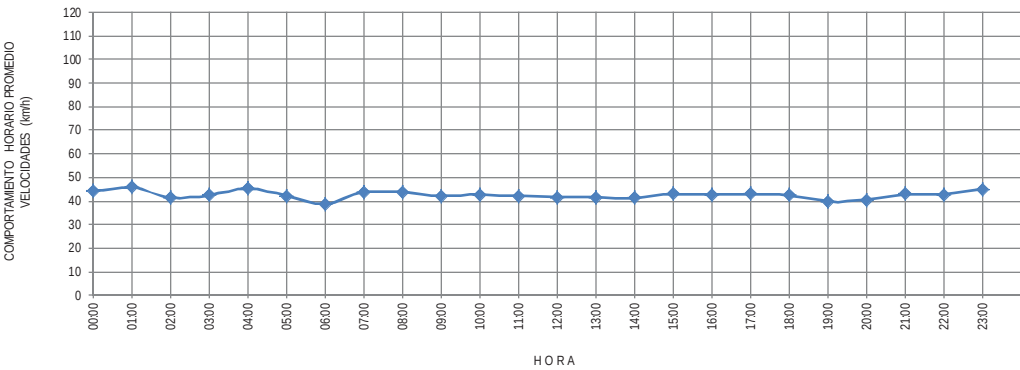
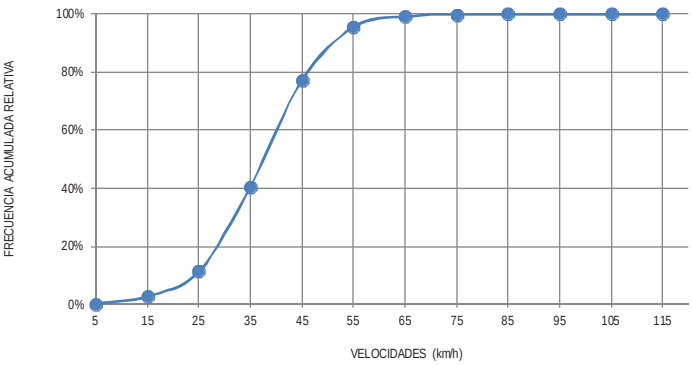
CLAVE: 00275

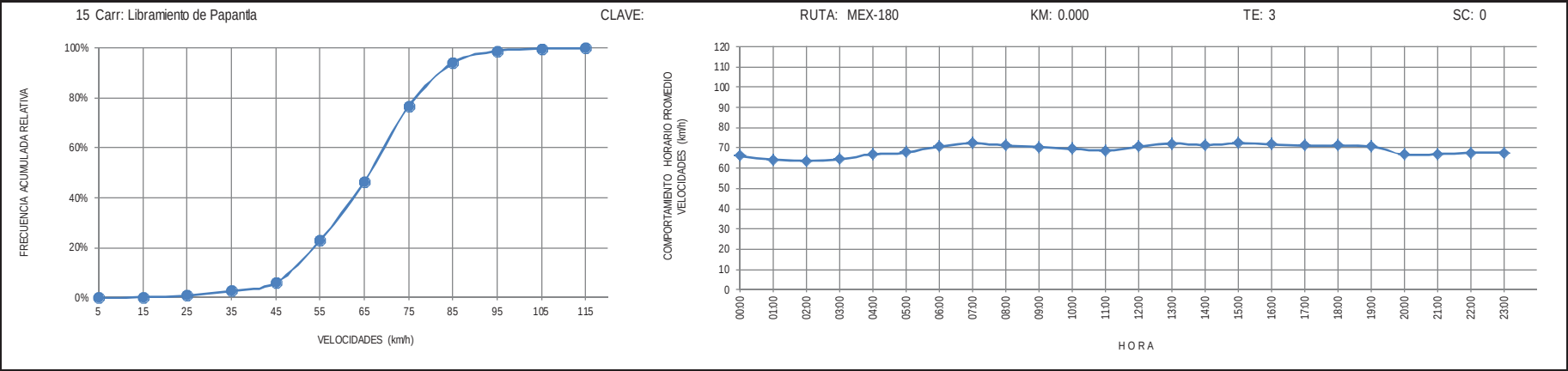
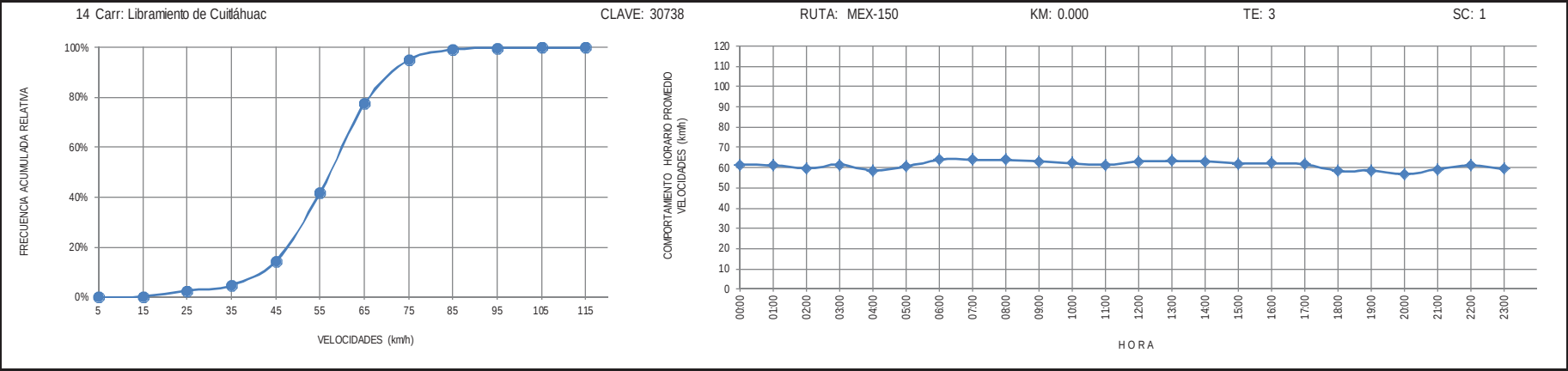
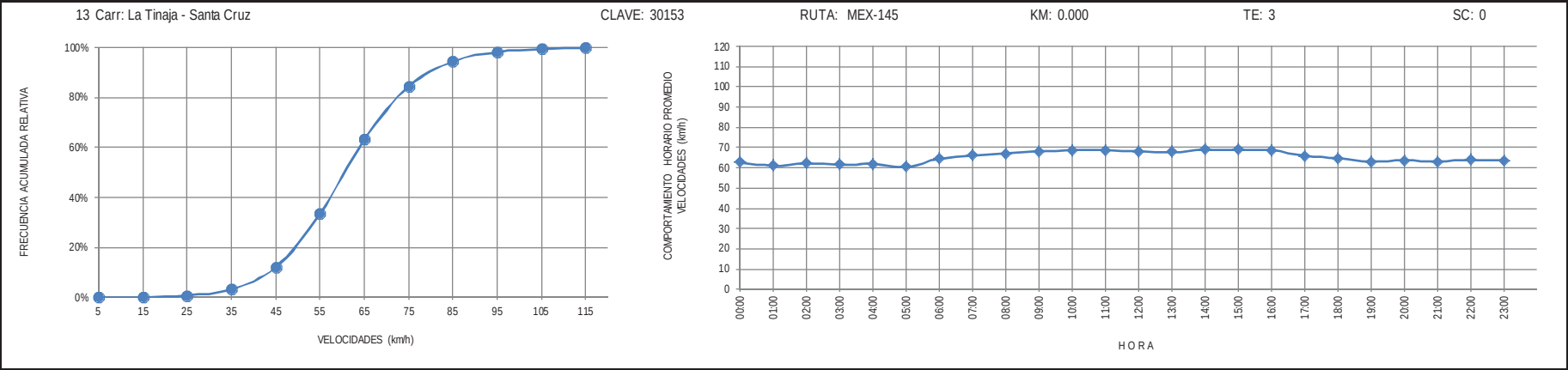
ruta: MEX-145

KM: 0.000

TE: 3

SC: 0





16 Carr: Libramiento de Yanga

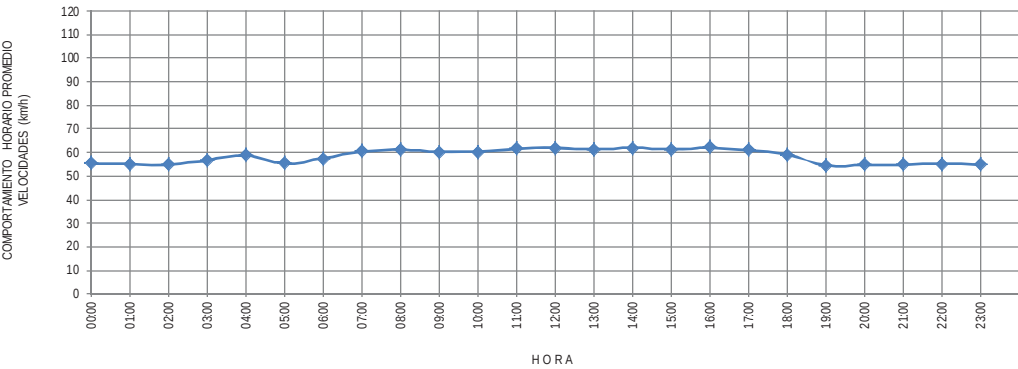
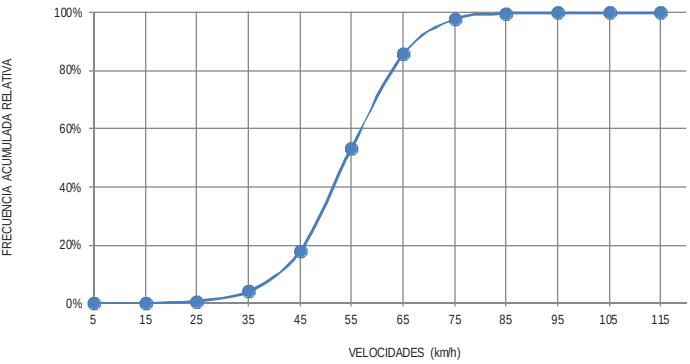
CLAVE: 30737

ruta: MEX-150

KM: 0.000

TE: 3

SC: 0



17 Carr: Libramiento Rinconada

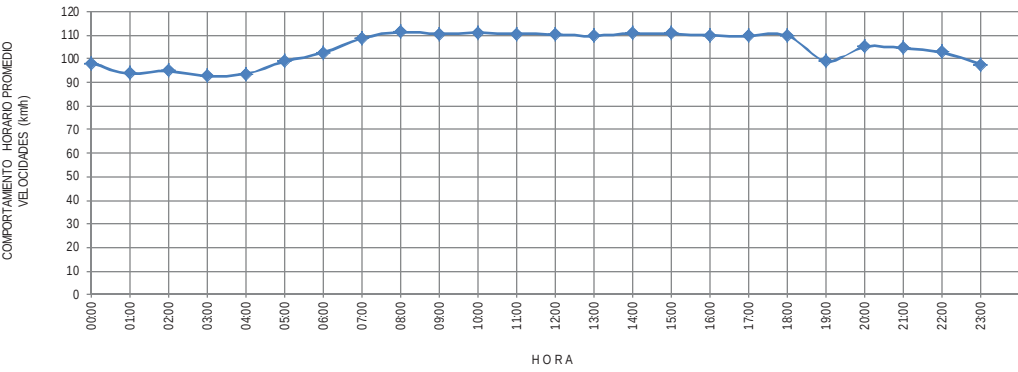
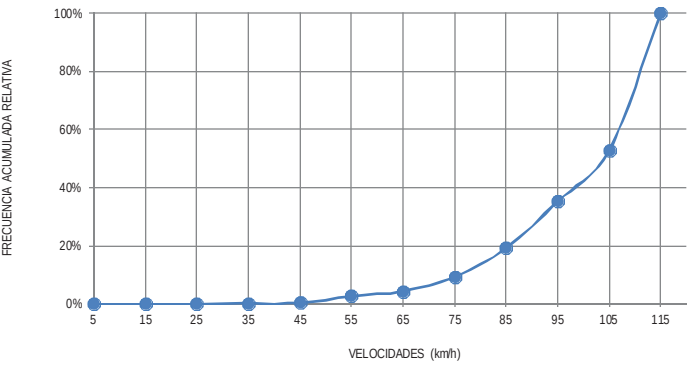
CLAVE: 30737

ruta: MEX

KM: 0.000

TE: 3

SC: 1



18 Carr: Minatitlán - Coatzacoalcos (Vía Cantica)

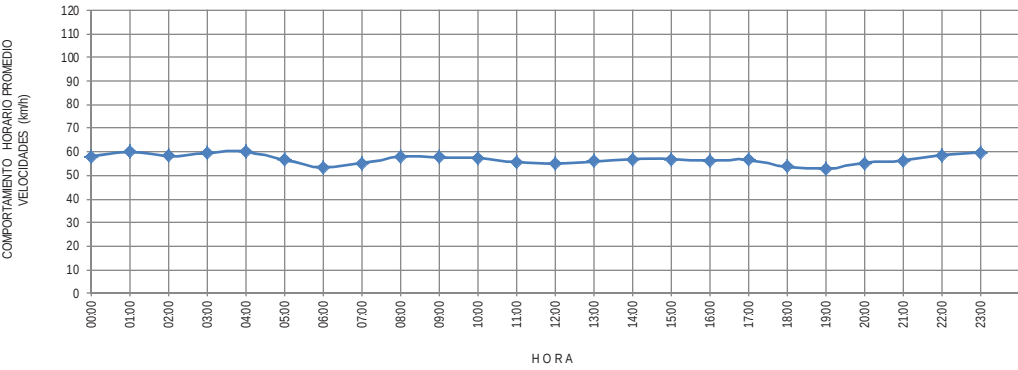
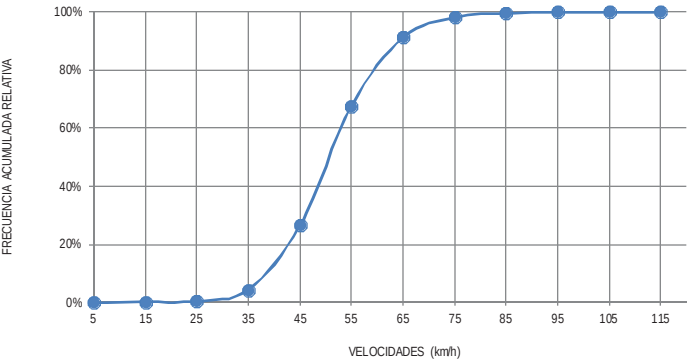
CLAVE: 30007

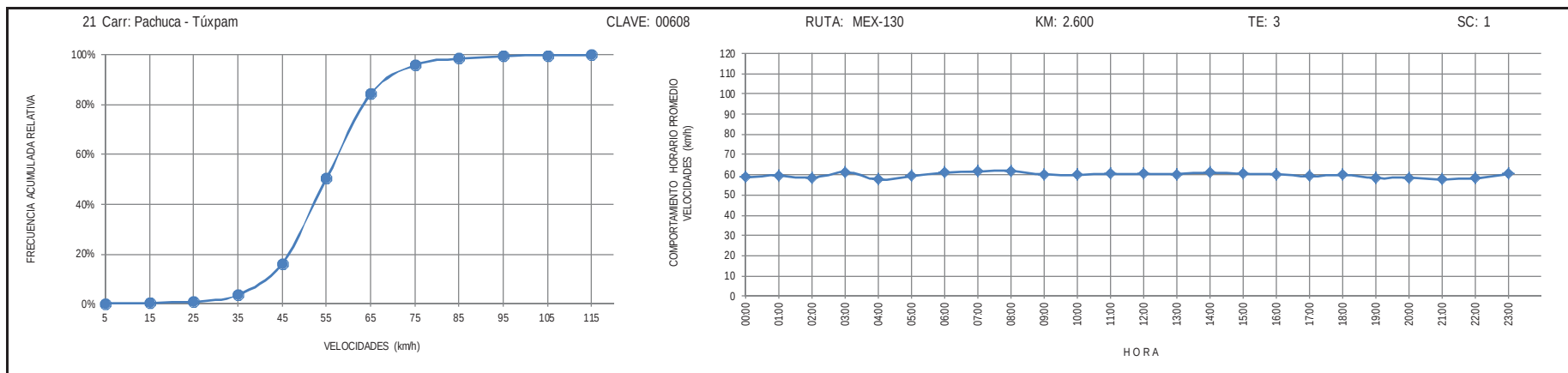
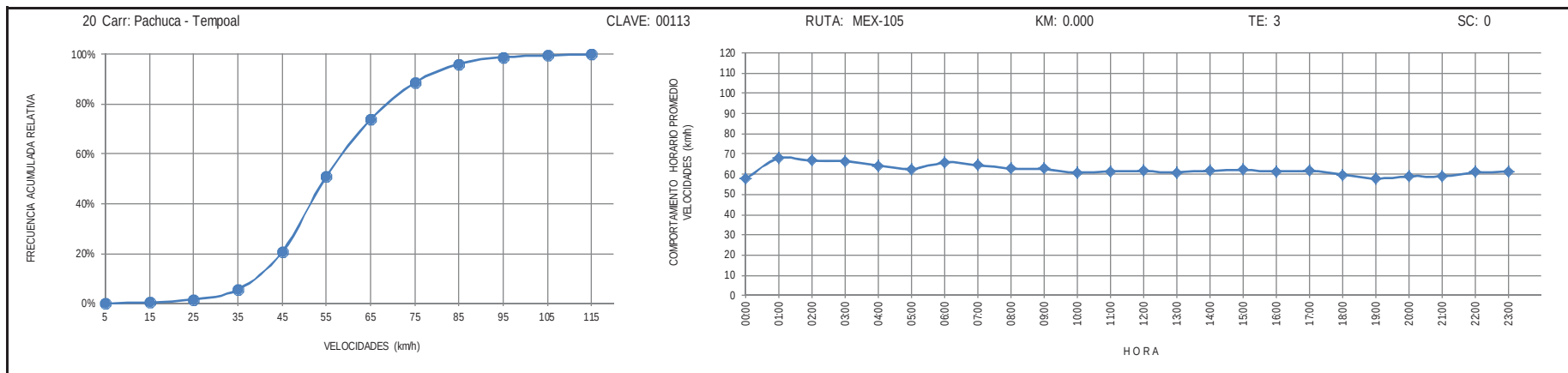
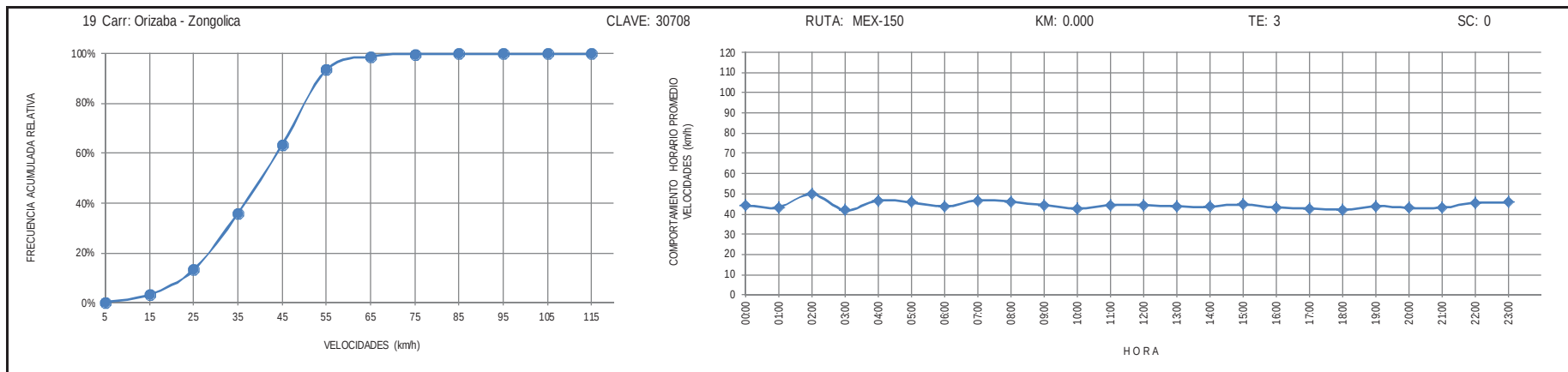
ruta: MEX-172

KM: 0.000

TE: 3

SC: 0







22 Carr: Papantla - El Chote

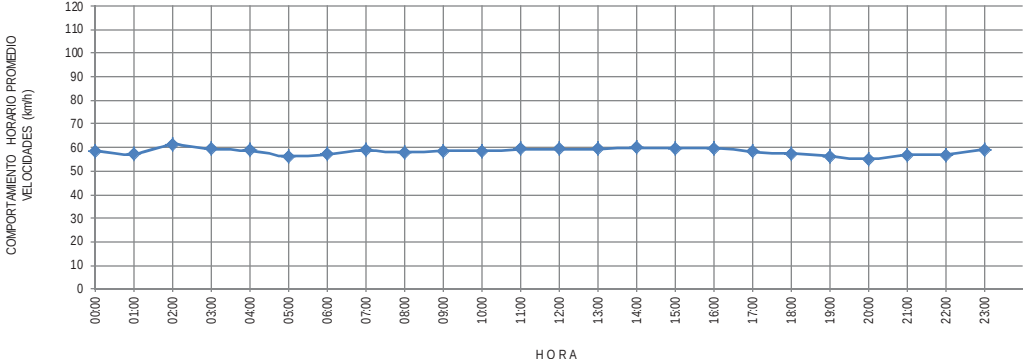
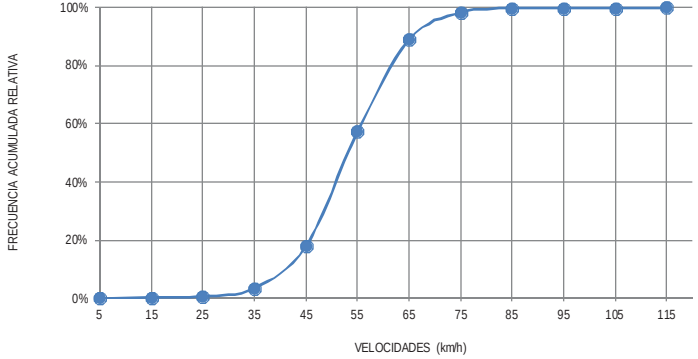
CLAVE: 30740

ruta: MEX-180

KM: 0.000

TE: 3

SC: 0



23 Carr: Paso del Toro - Acayucan

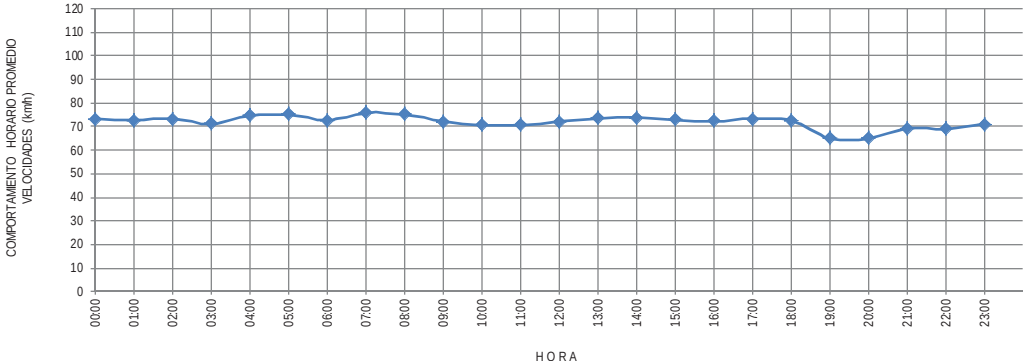
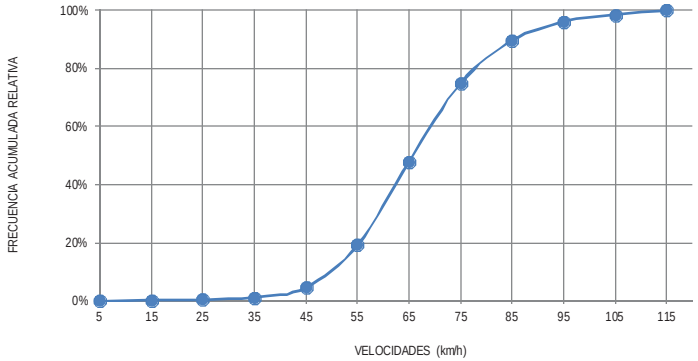
CLAVE: 30527

ruta: MEX-180

KM: 0.000

TE: 3

SC: 0



24 Carr: Ramal a Antón Lizardo

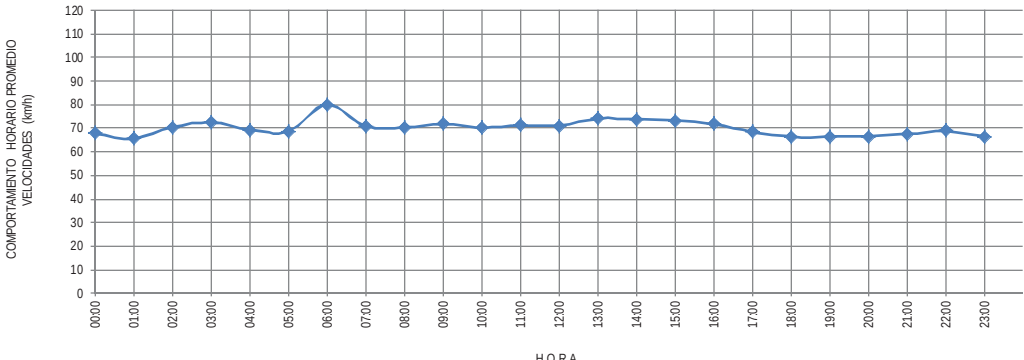
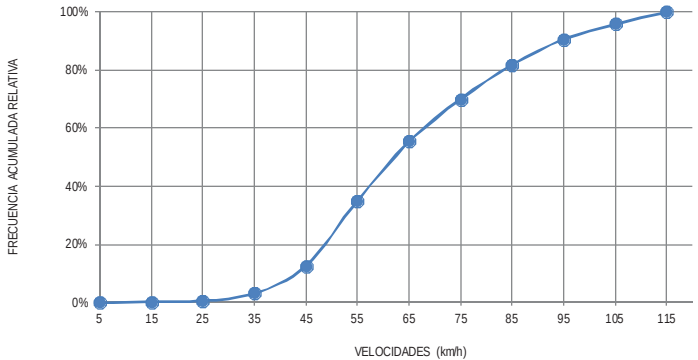
CLAVE: 30277

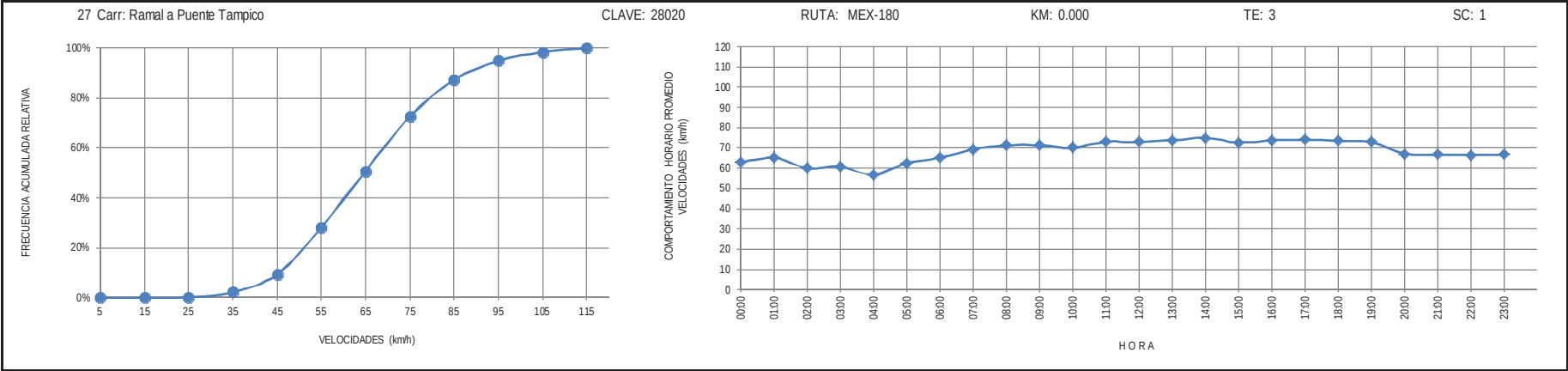
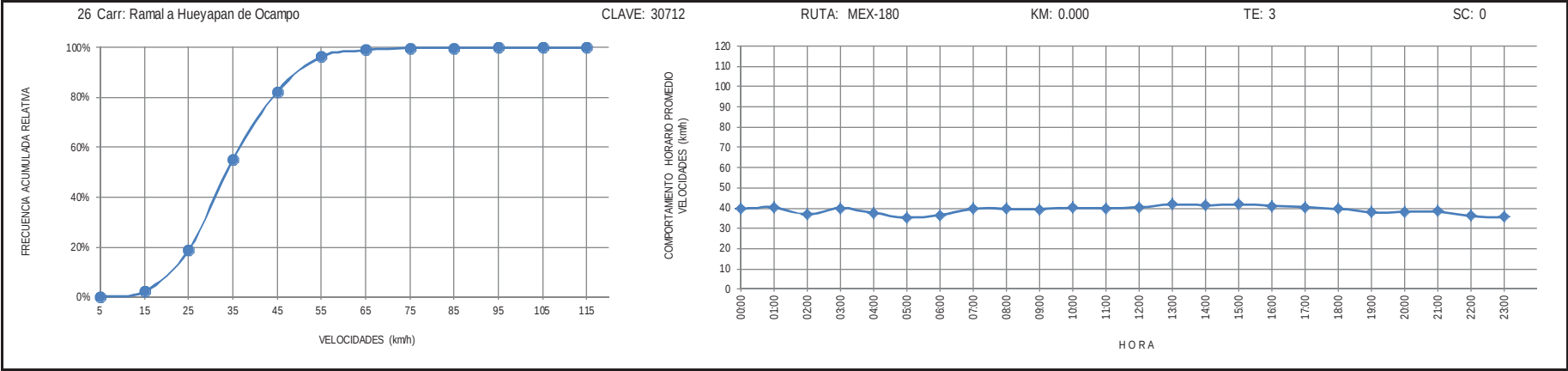
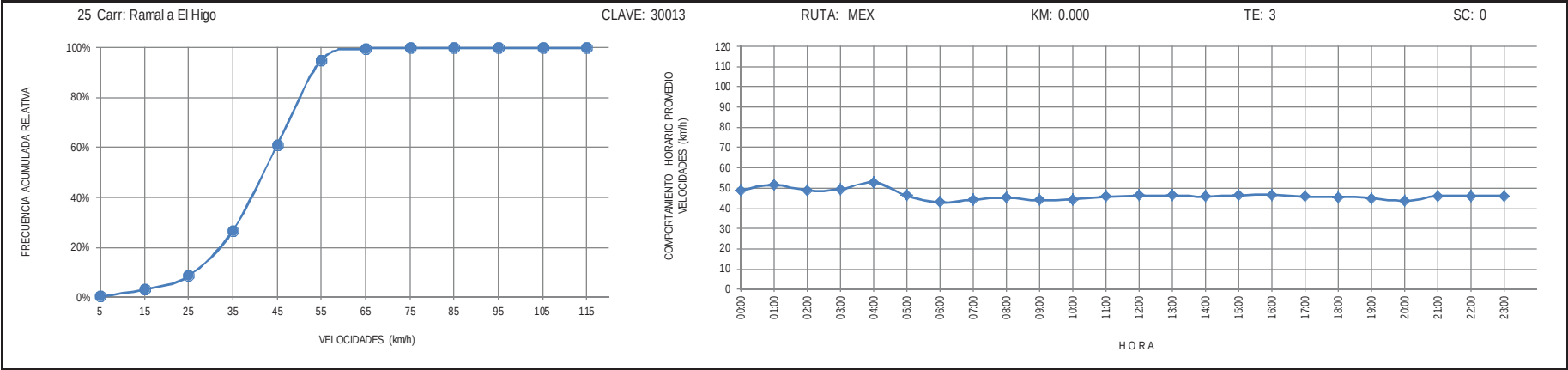
ruta: MEX-150

KM: 0.000

TE: 3

SC: 0





28 Carr: Ramal a Tecoluta

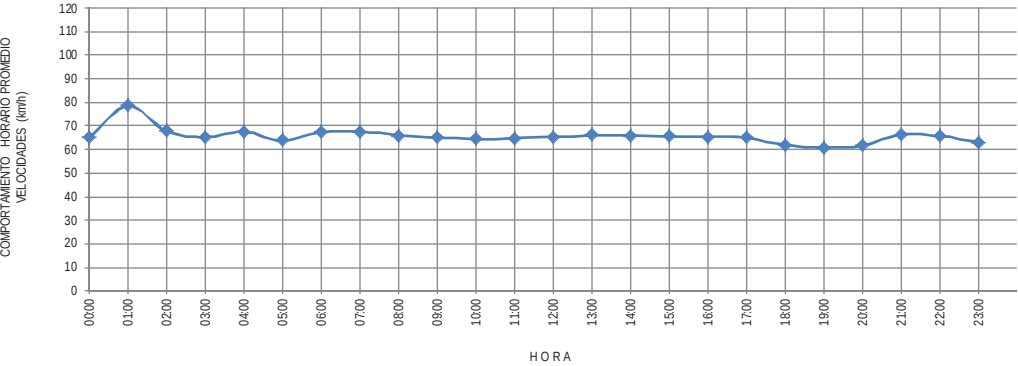
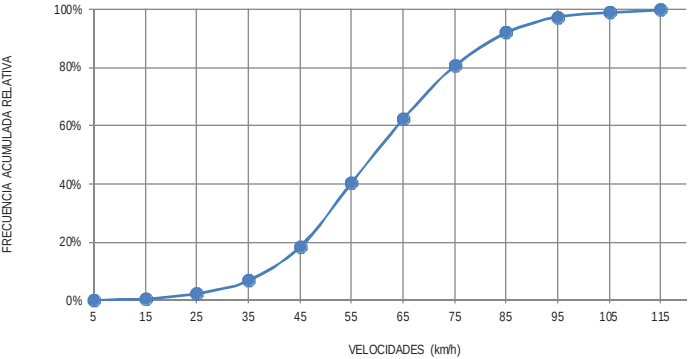
CLAVE: 30531

ruta: MEX-180

KM: 0.000

TE: 3

SC: 0



29 Carr: Ramal a Zapotallillo

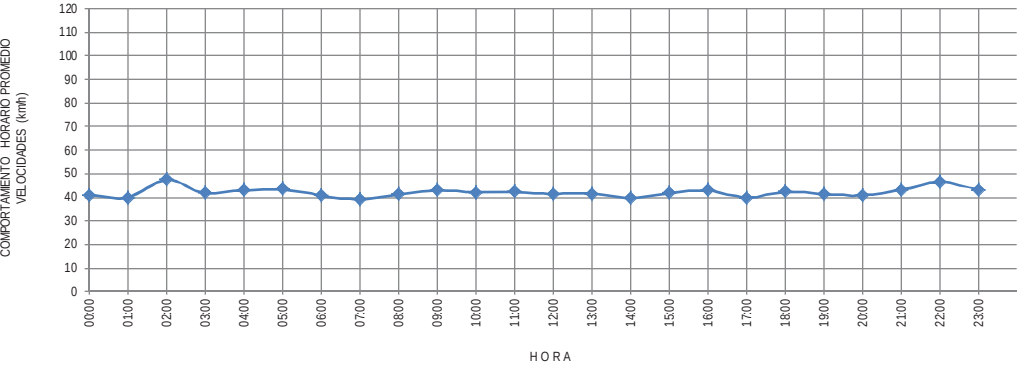
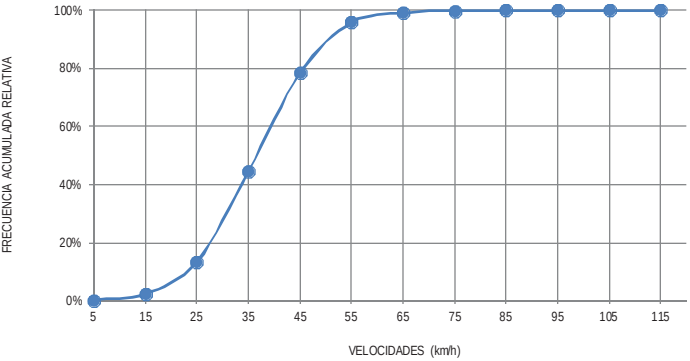
CLAVE: 30734

ruta: MEX

KM: 0.000

TE: 3

SC: 0



30 Carr: San Hipólito - Xalapa

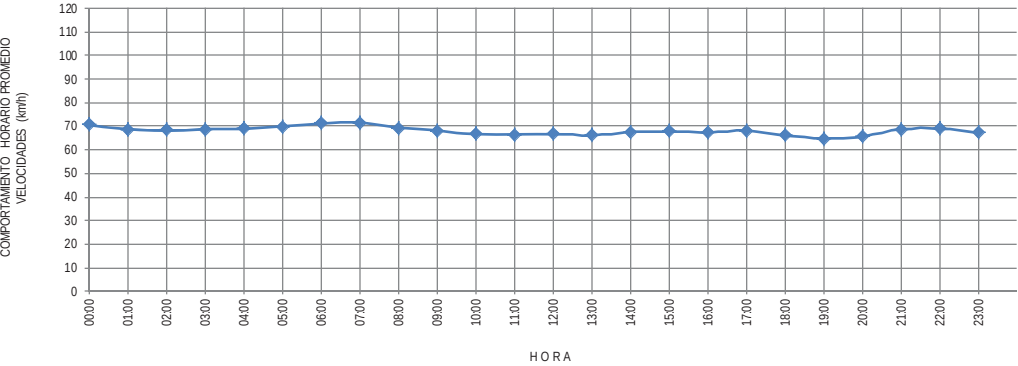
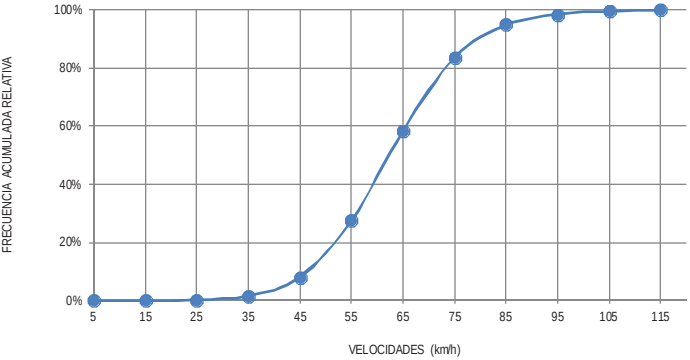
CLAVE: 00486

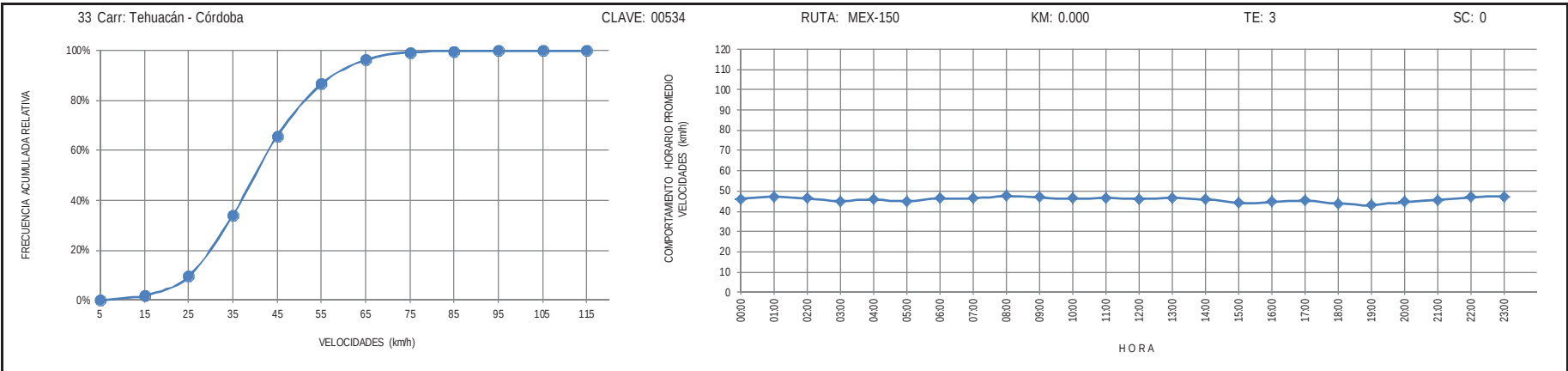
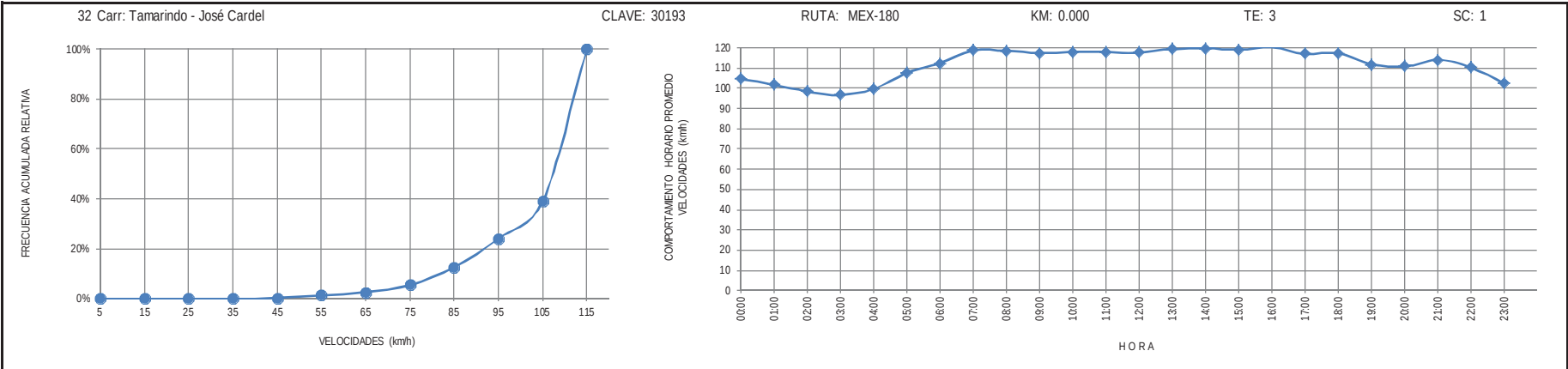
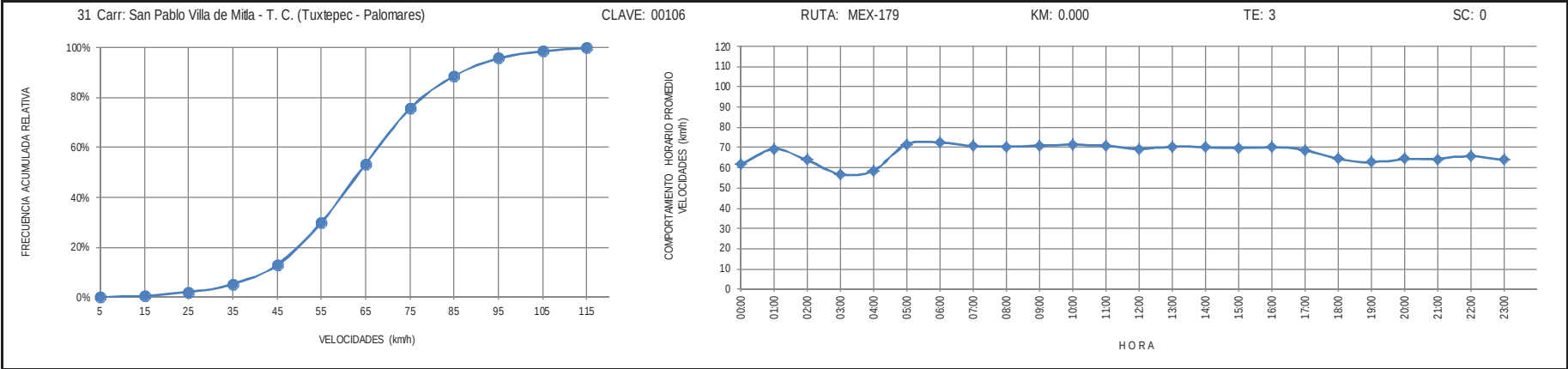
ruta: MEX-140

KM: 0.000

TE: 3

SC: 0





34 Carr: Teziutlán - Nautla

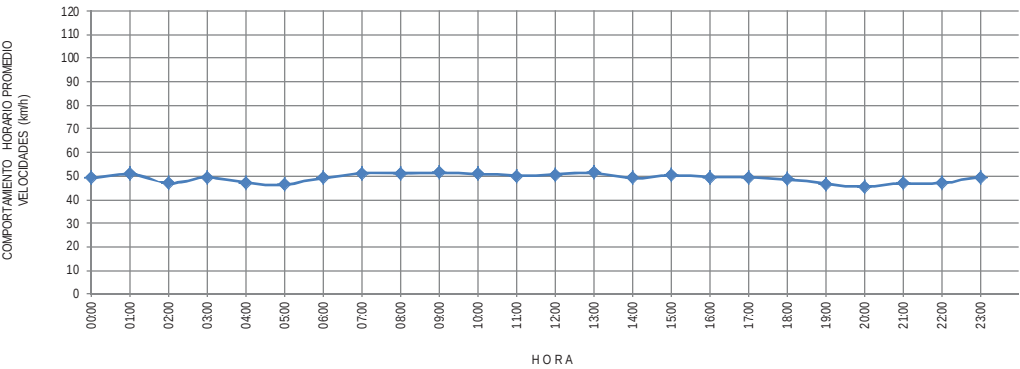
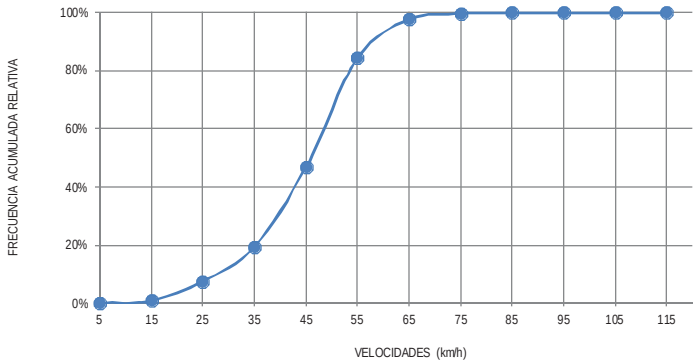
CLAVE: 00144

ruta: MEX-129

KM: 0.000

TE: 3

SC: 0



35 Carr: Teziutlán - Perote

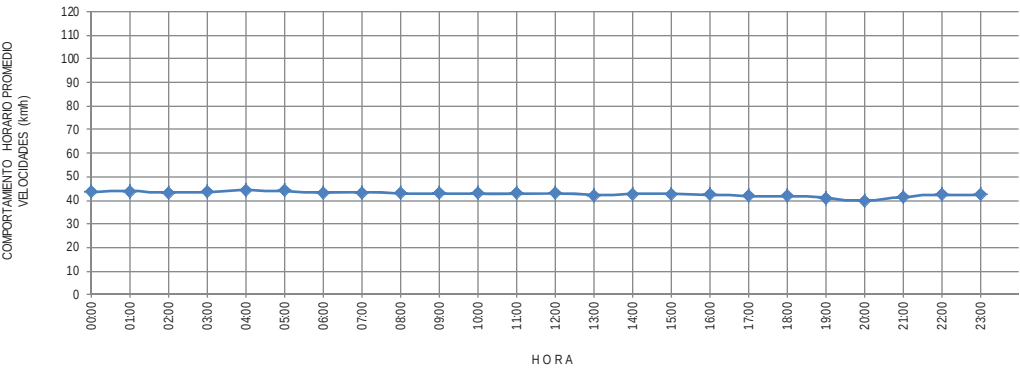
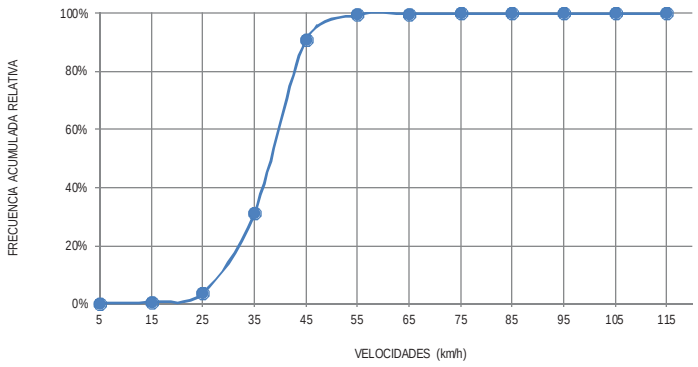
CLAVE: 00209

ruta: MEX-131

KM: 0.000

TE: 3

SC: 0



36 Carr: Tihuatlán - Castillo de Teayo

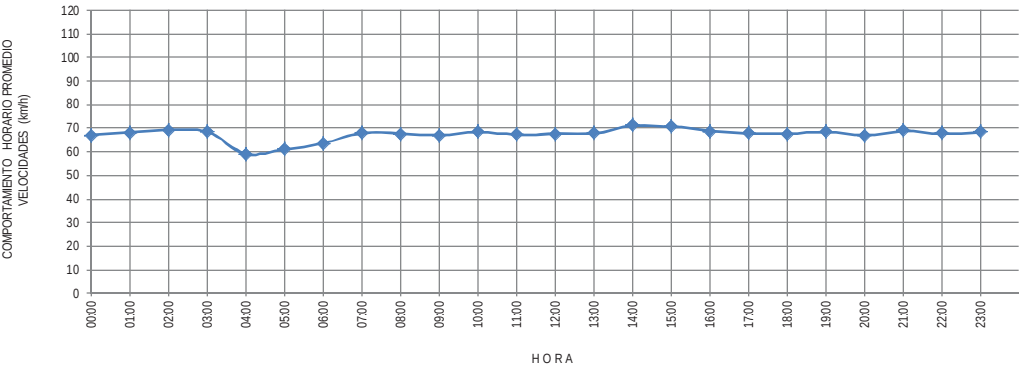
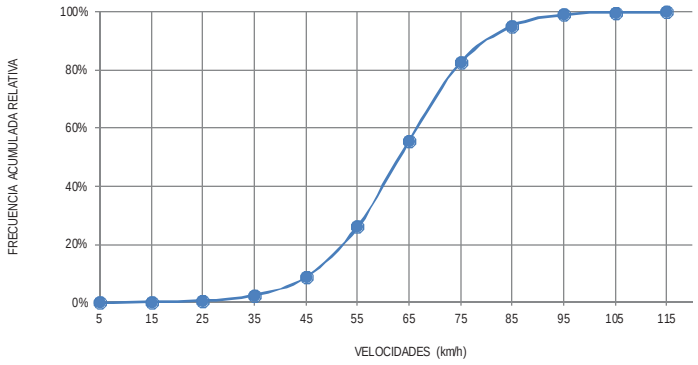
CLAVE: 30700

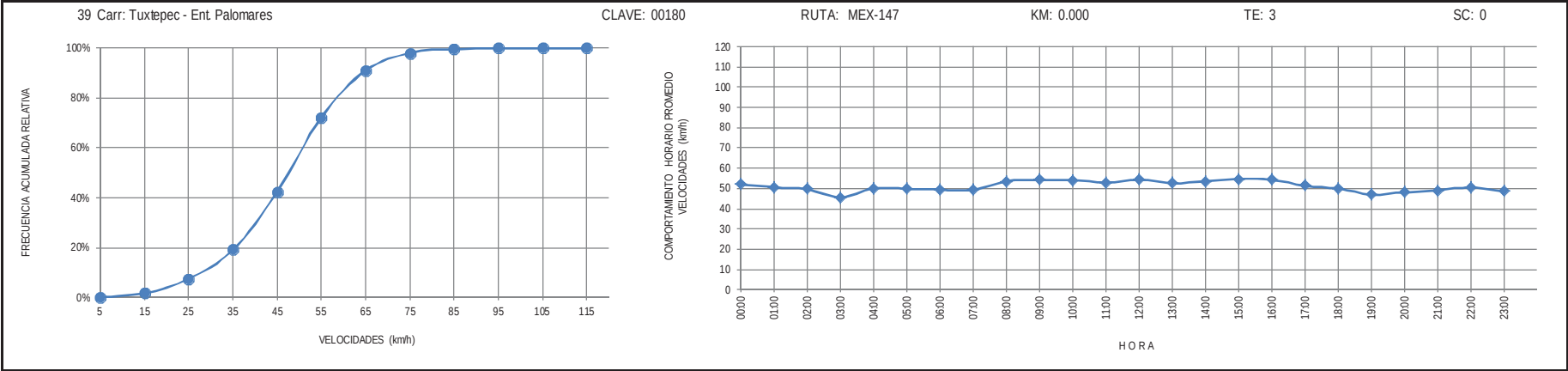
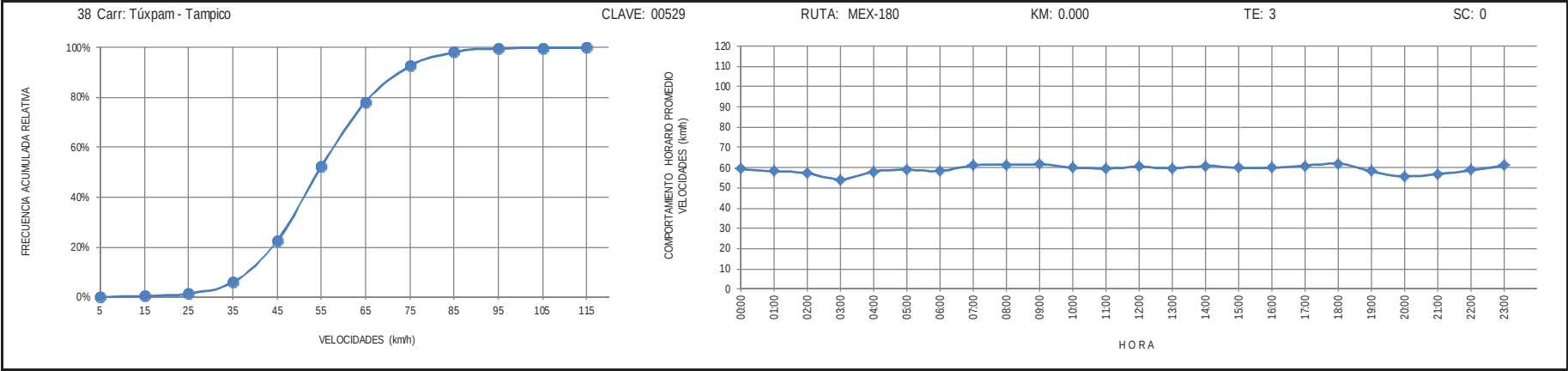
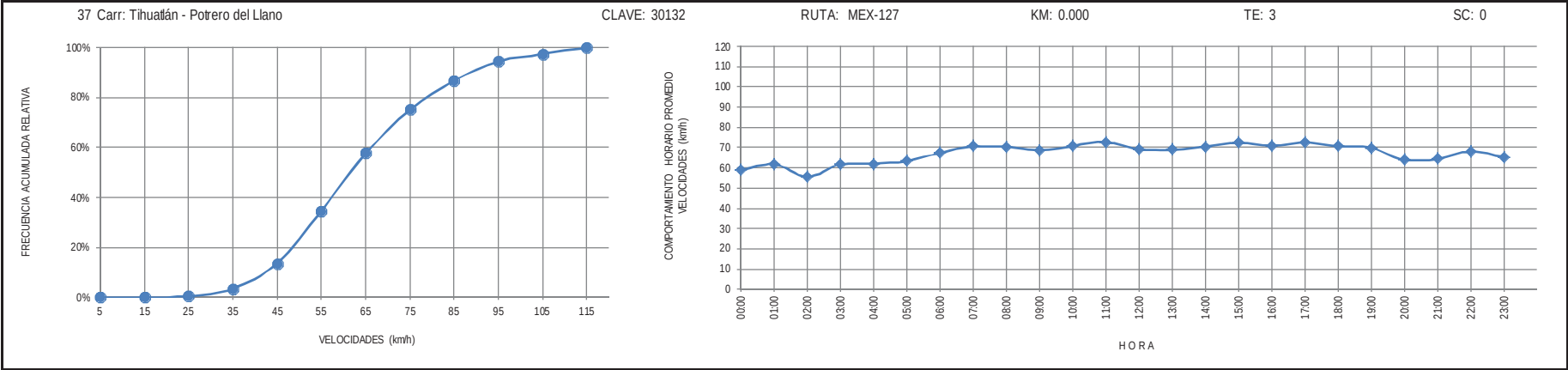
ruta: MEX-130

KM: 0.000

TE: 3

SC: 0





40 Carr: Xalapa - Veracruz

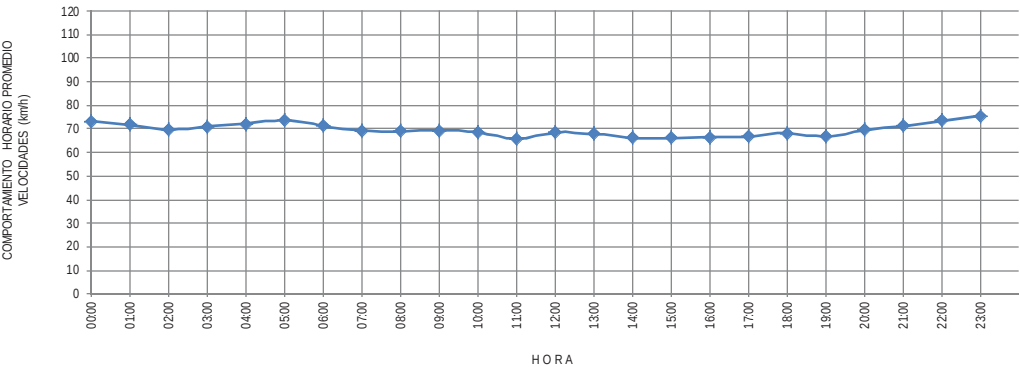
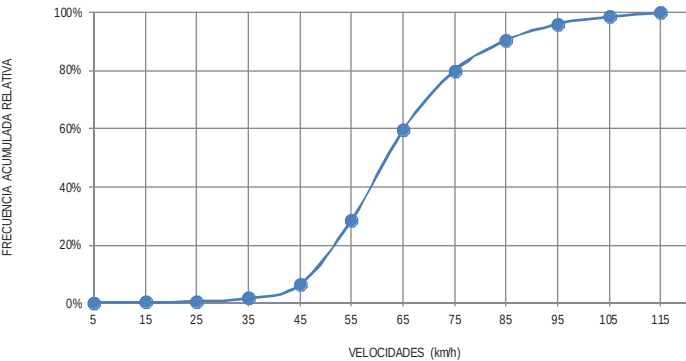
CLAVE: 30526

ruta: MEX-140

KM: 0.000

TE: 3

SC: 1



41 Carr: Acatzingo - Cd. Mendoza (Cuota)

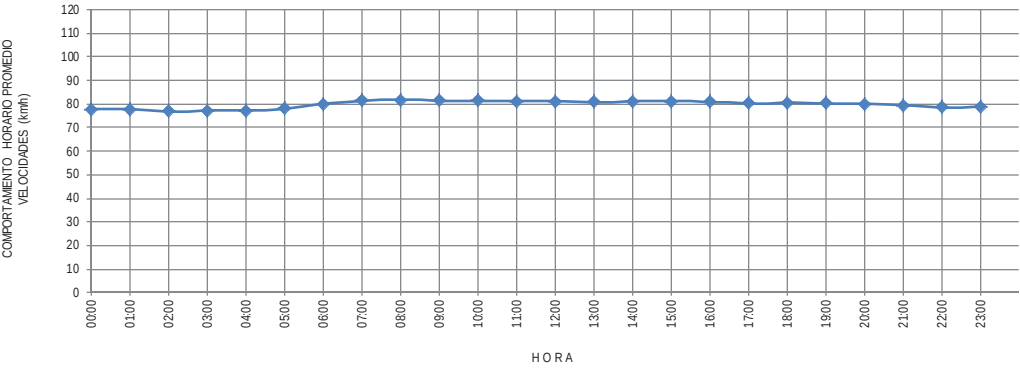
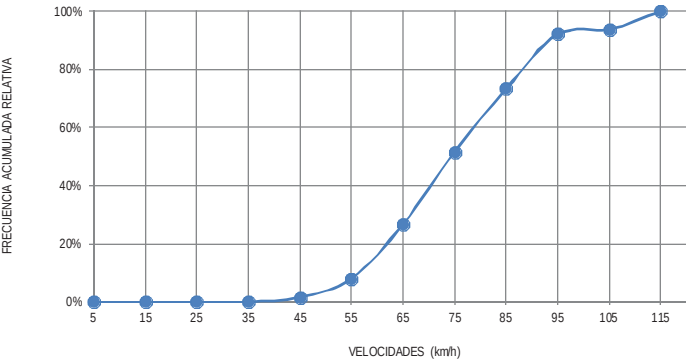
CLAVE: 00485

ruta: MEX-150D

KM: 47.100

TE: 3

SC: 1



42 Carr: Amozoc - Perote (Cuota)

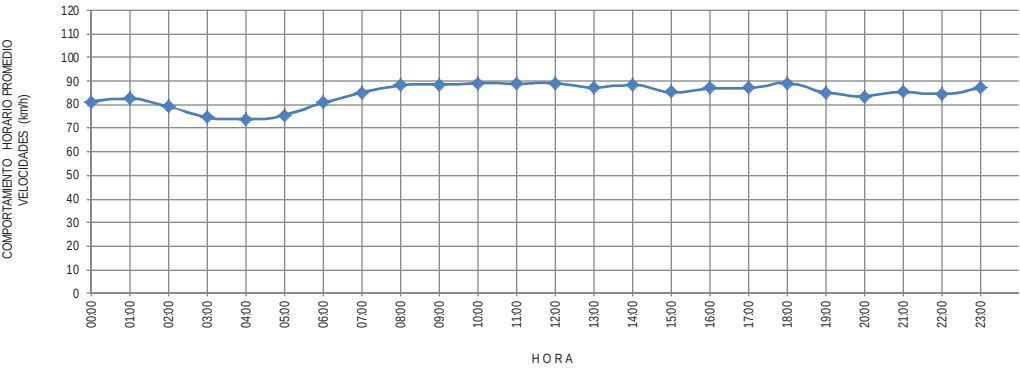
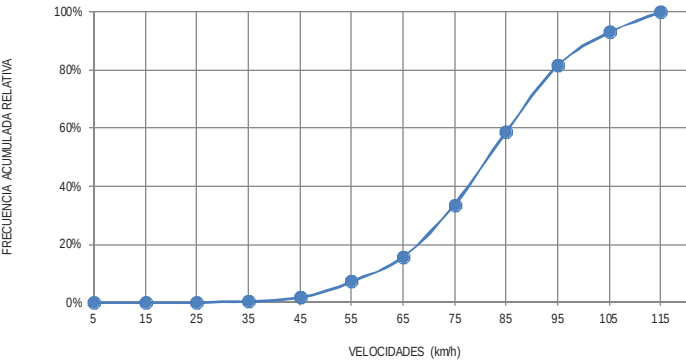
CLAVE: 00030

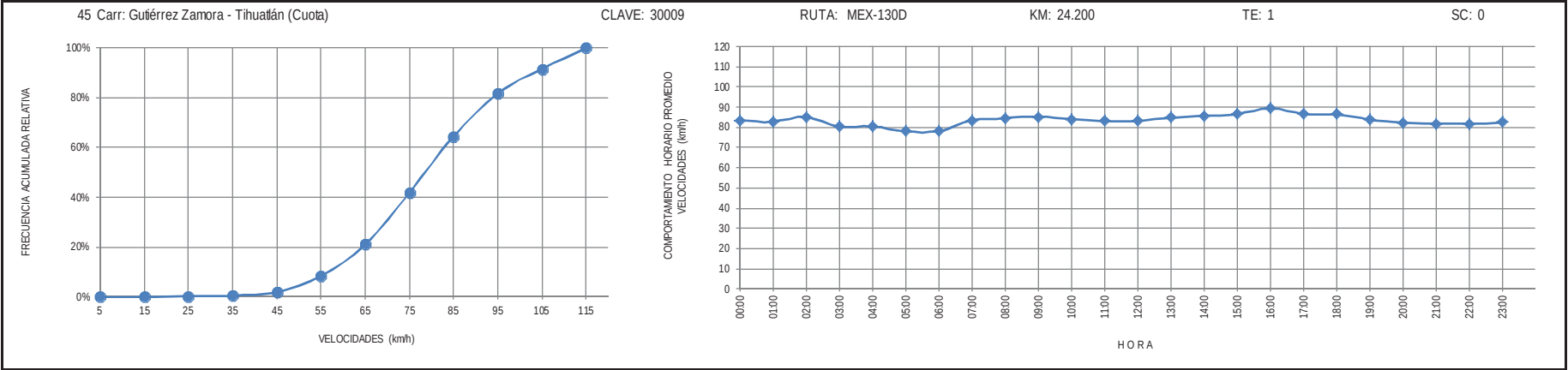
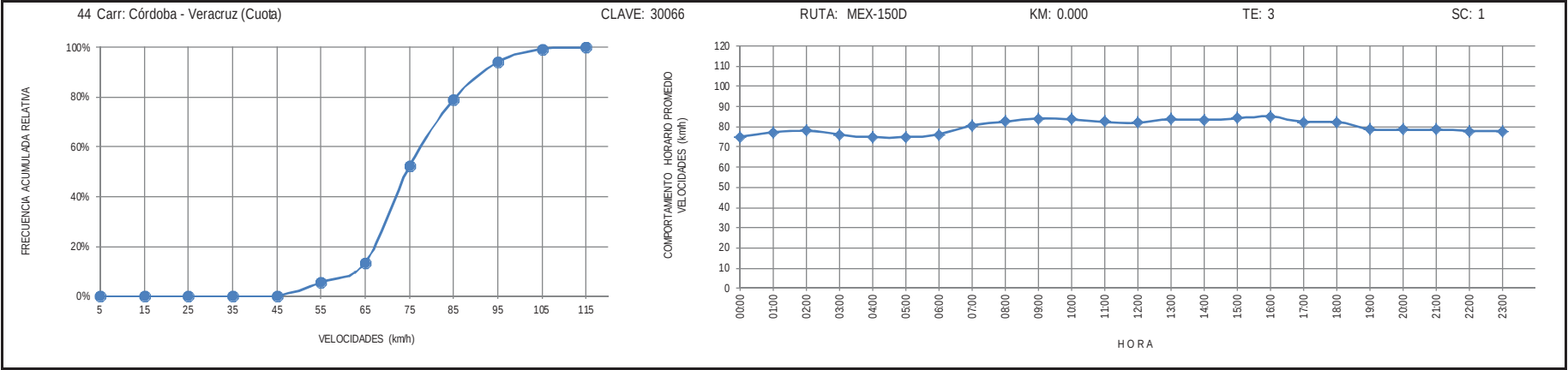
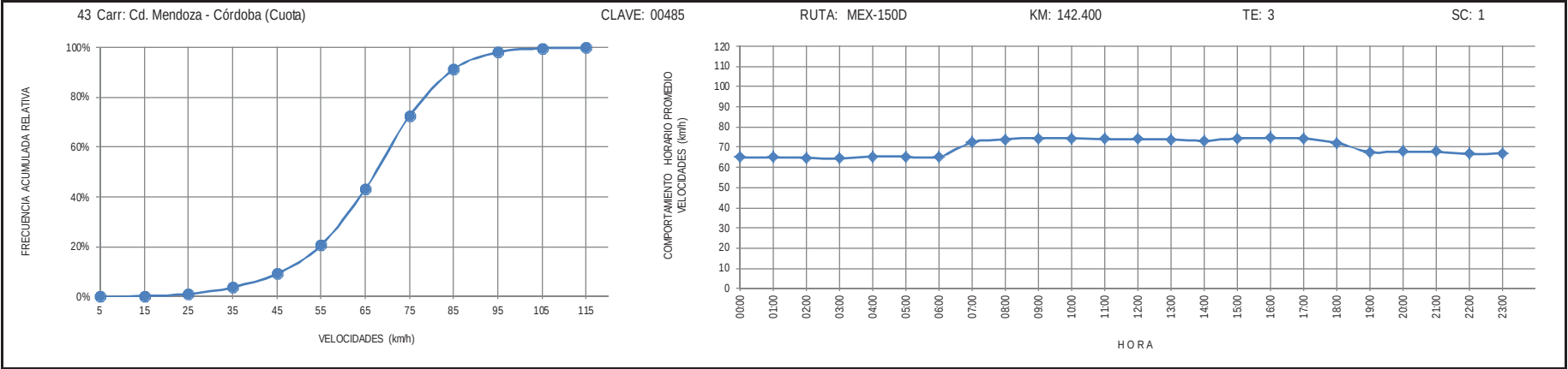
ruta: MEX-140D

KM: 0.000

TE: 3

SC: 0







46 Carr: La Tinaja - Cosoleacaque (Cuota)

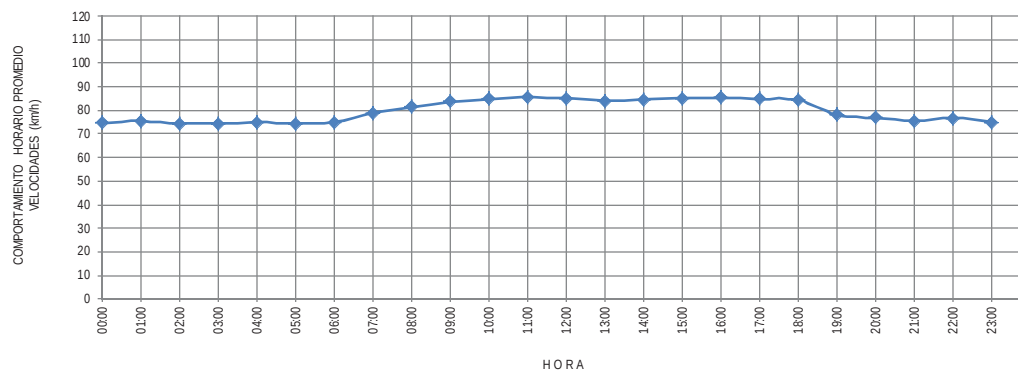
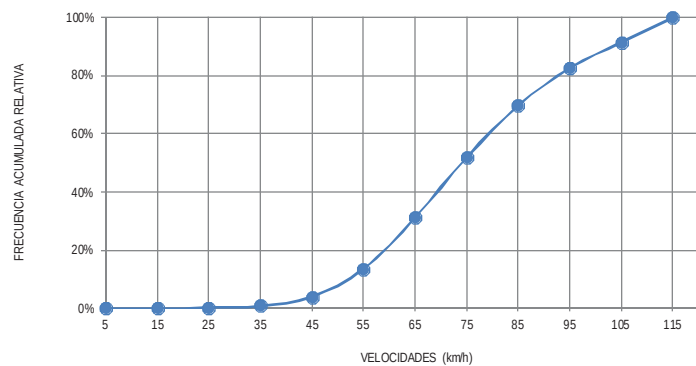
CLAVE: 30144

ruta: MEX-145D

KM: 2.500

TE: 1

SC: 1



47 Carr: Las Choapas - Ocozocoautla (Cuota)

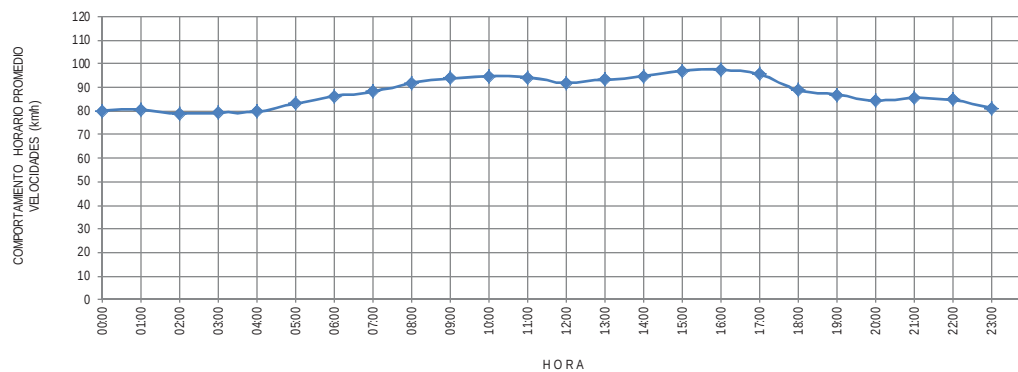
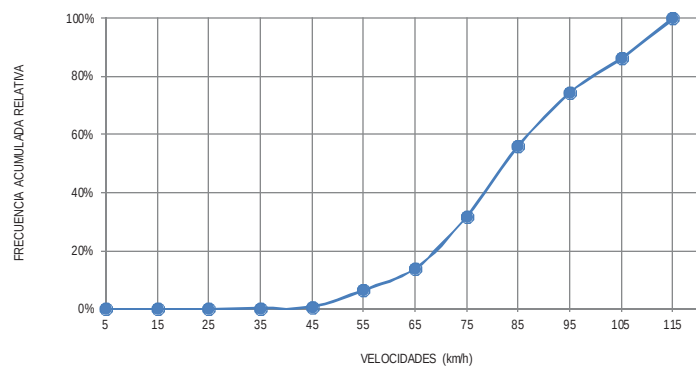
CLAVE: 00077

ruta: MEX-187D

KM: 0.000

TE: 3

SC: 0



48 Carr: Libramiento de Cardel (Cuota)

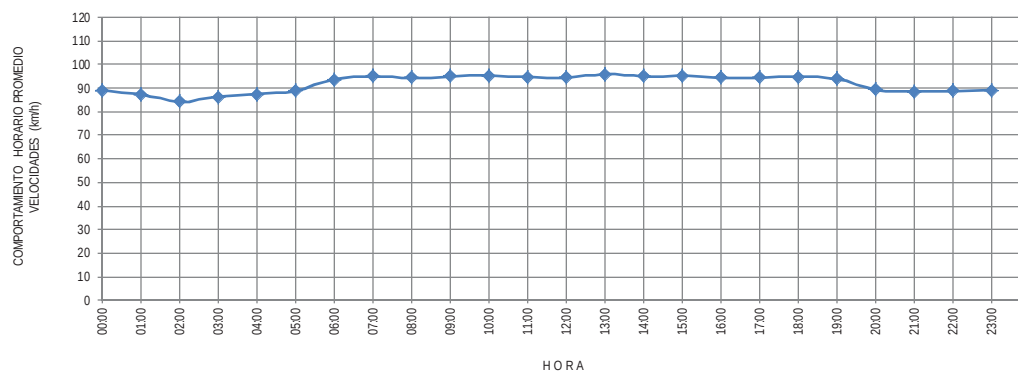
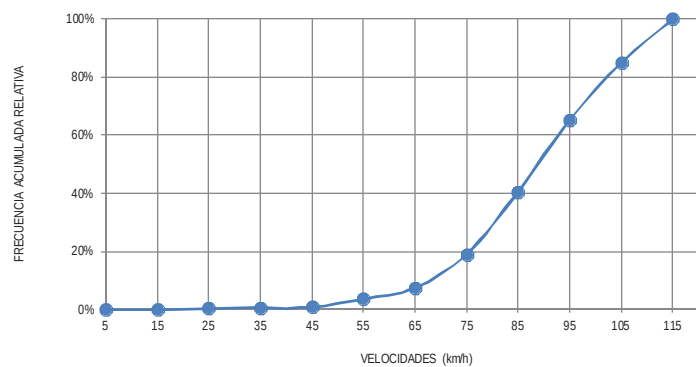
CLAVE: 30729

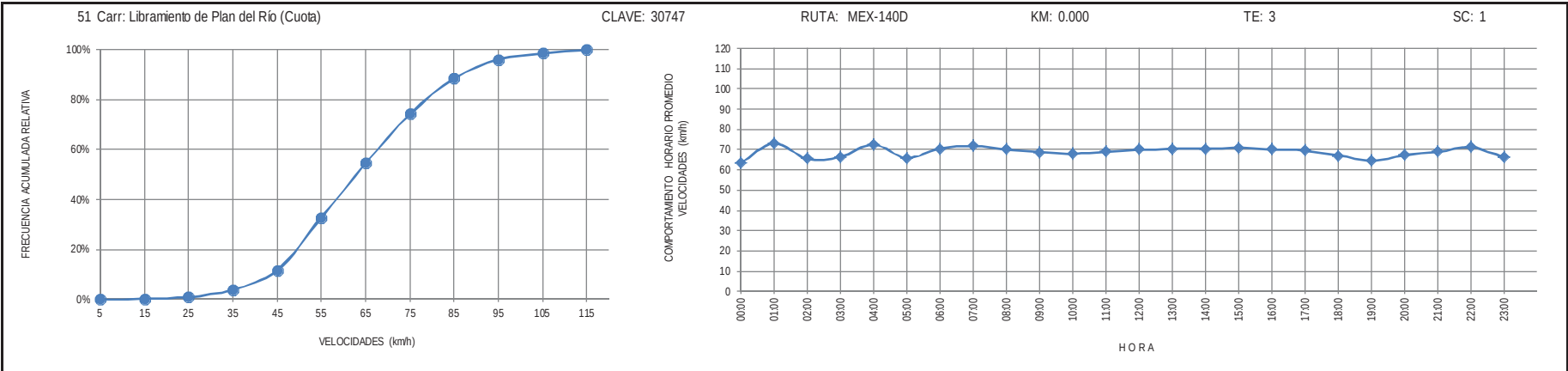
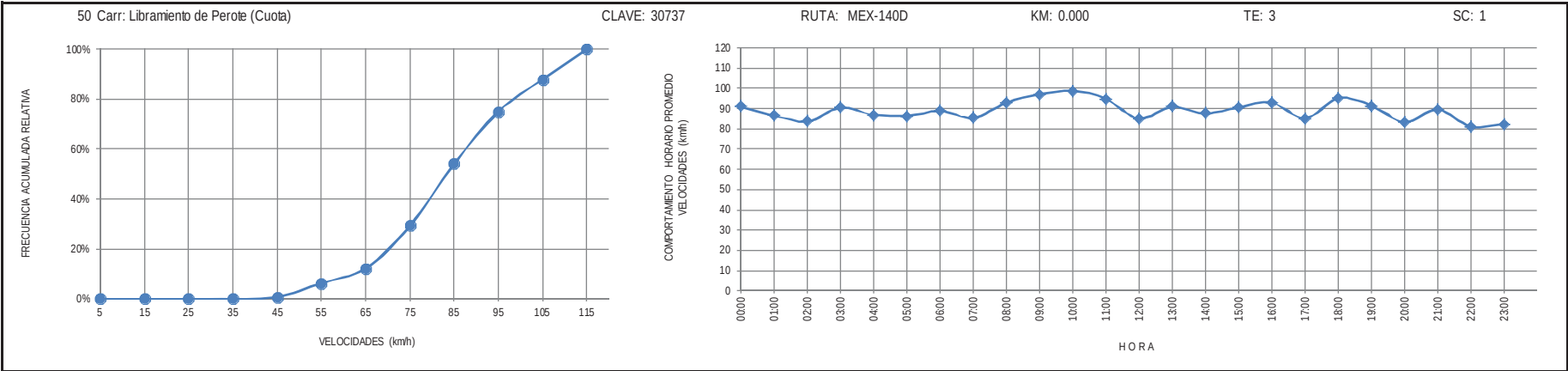
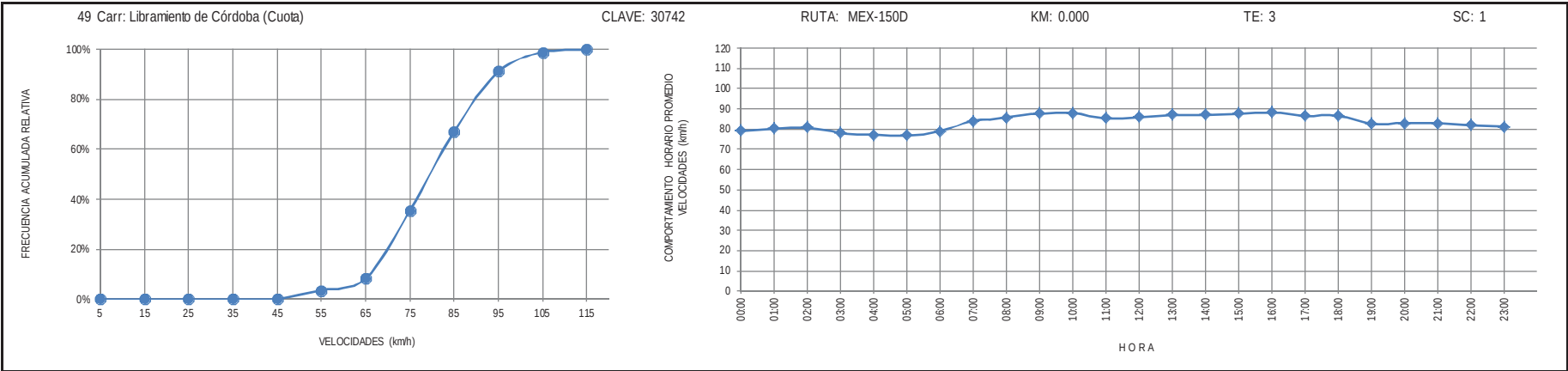
ruta: MEX-180D

KM: 0.000

TE: 3

SC: 0





52 Carr: Nuevo Teapa - Cosoleacaque (Cuota)

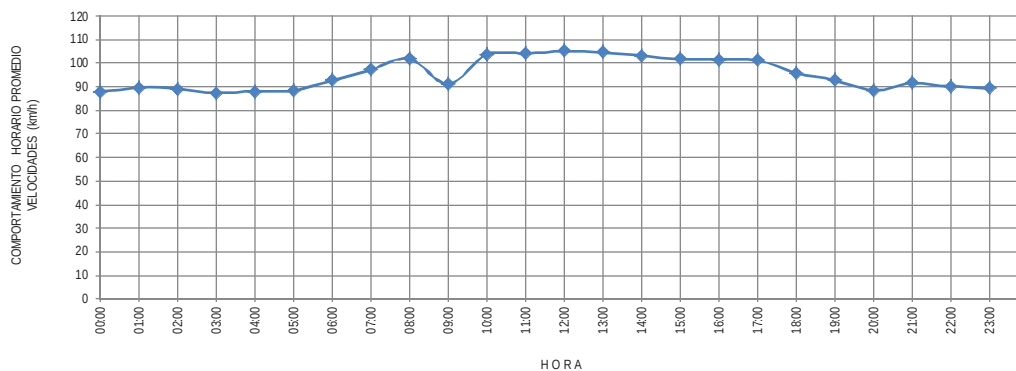
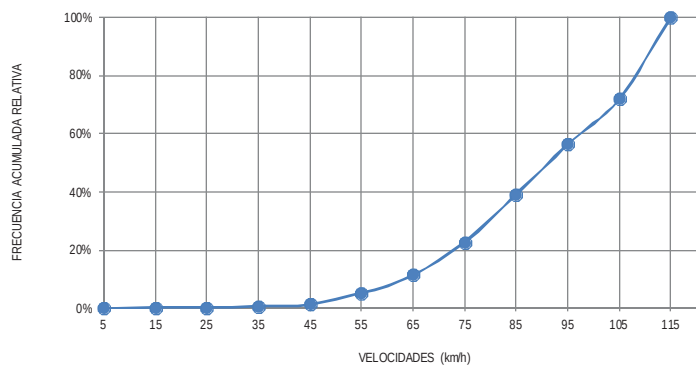
CLAVE: 30007

RUTA: MEX-180D

KM: 0.000

TE: 3

SC: 1



53 Carr: Tihuatlán - Tuxpam (Incluye Puente Tuxpam)

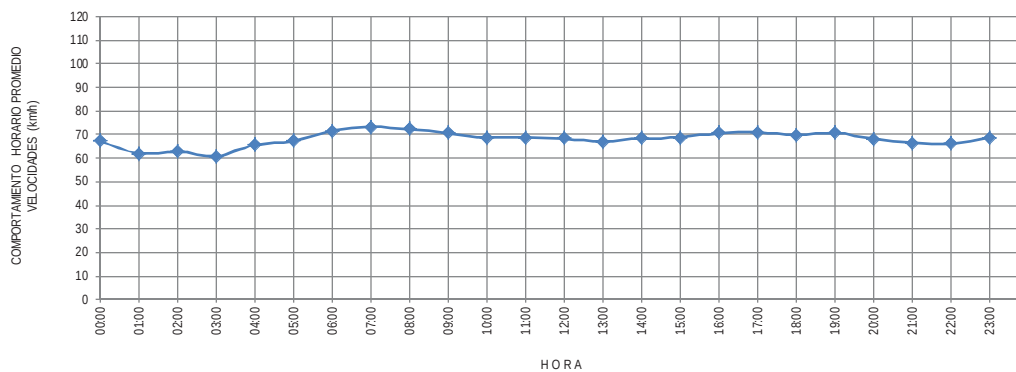
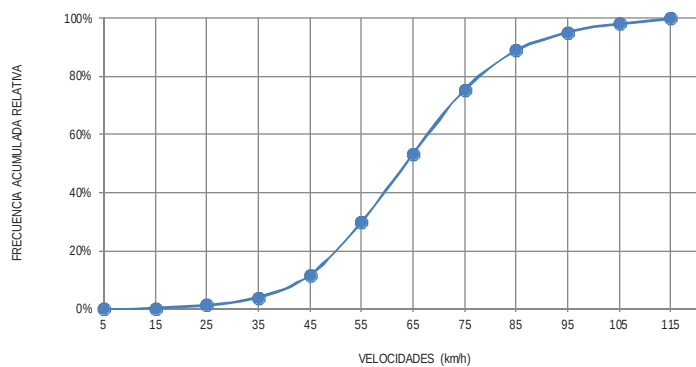
CLAVE: 30008

RUTA: MEX-130D

KM: 0.000

TE: 3

SC: 0



54 Carr: Poza Rica - Veracruz

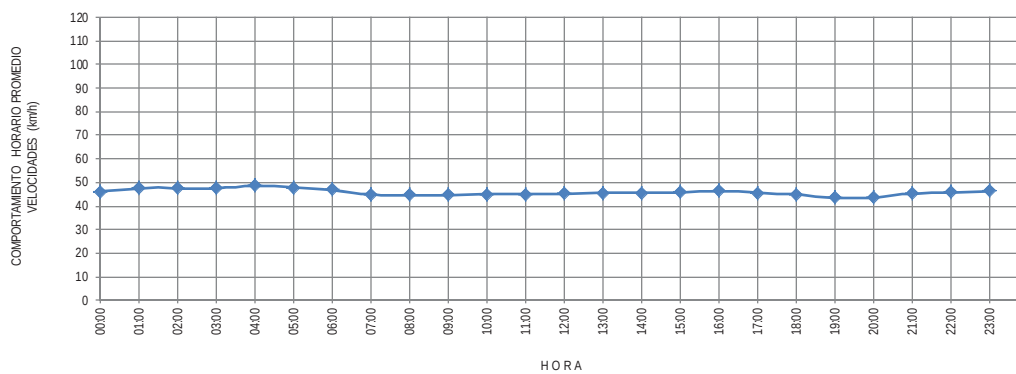
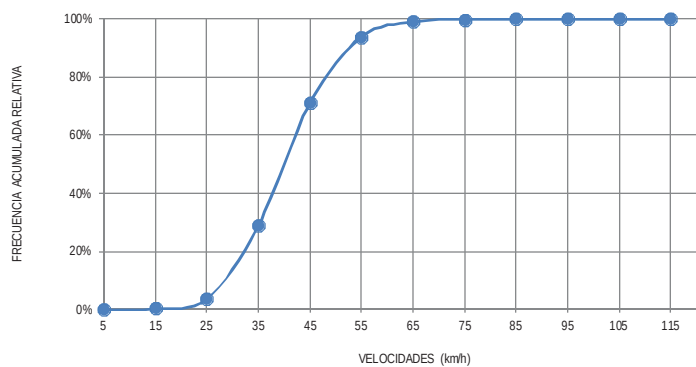
CLAVE: 30146

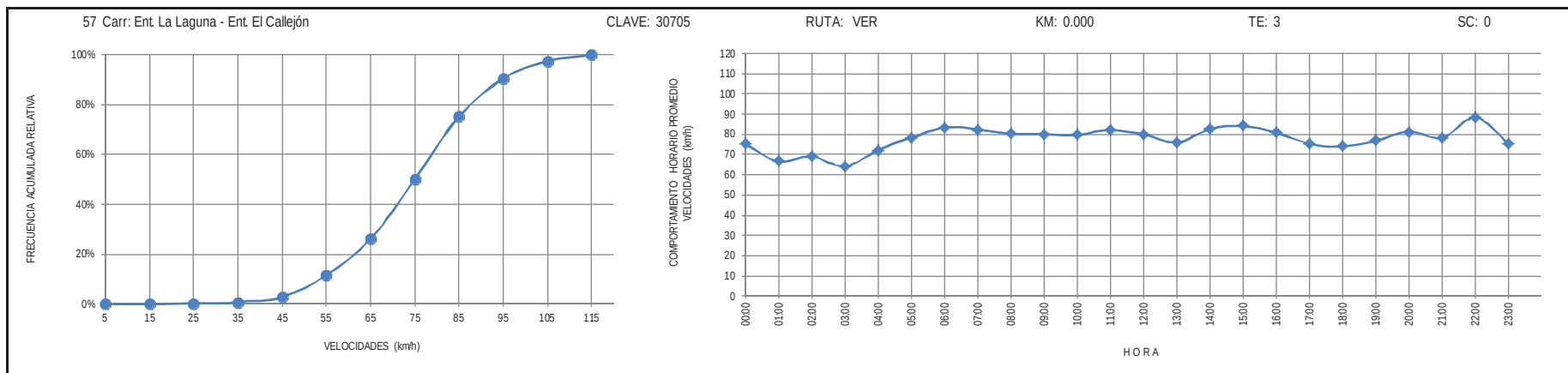
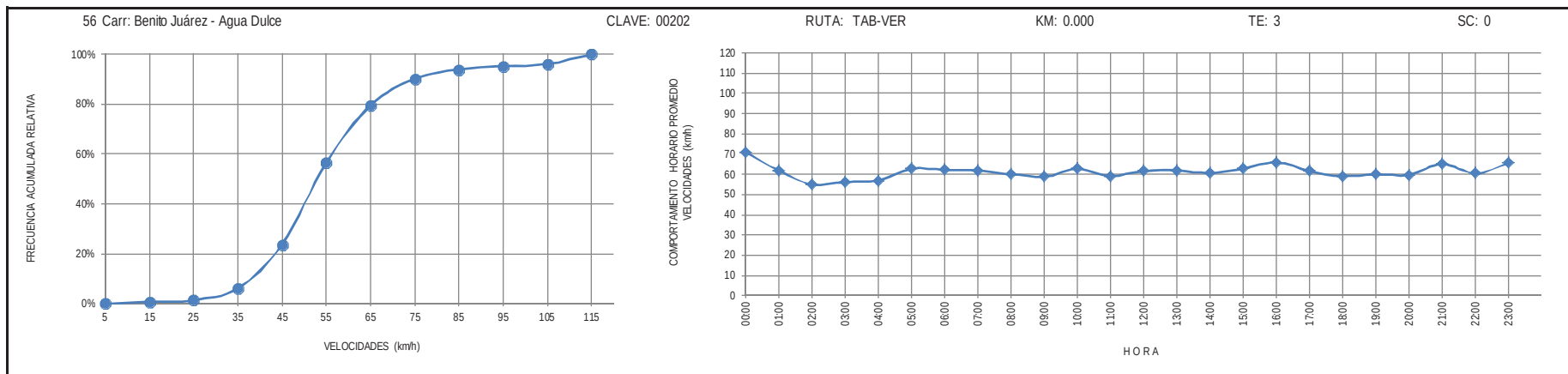
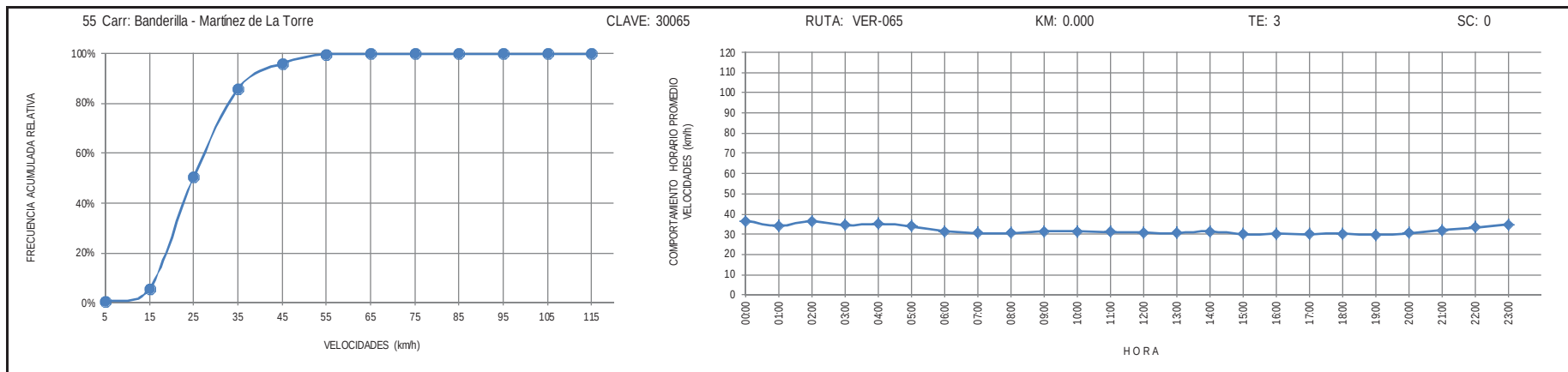
RUTA: MEX-180-180D

KM: 0.000

TE: 3

SC: 1





58 Carr: José Cardel - Playa Chachalacas

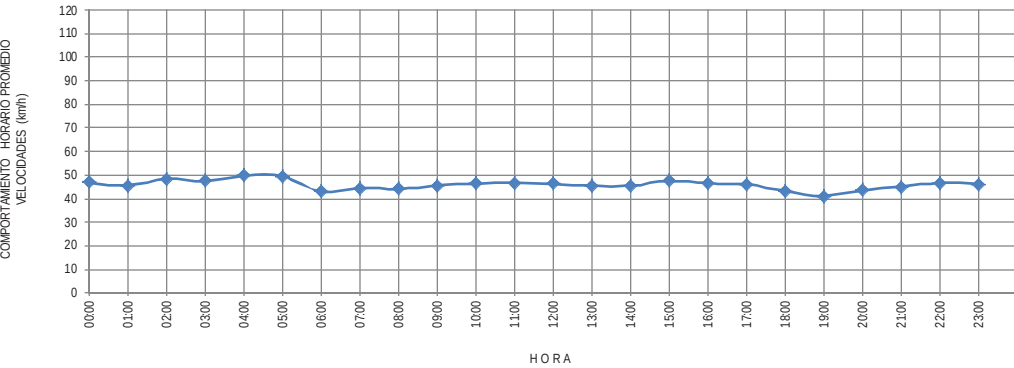
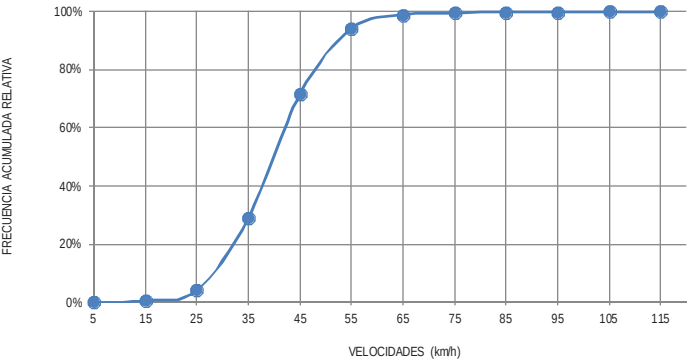
CLAVE: 30038

RUTA: VER

KM: 0.000

TE: 3

SC: 0



59 Carr: Las Trancas - Coatepec

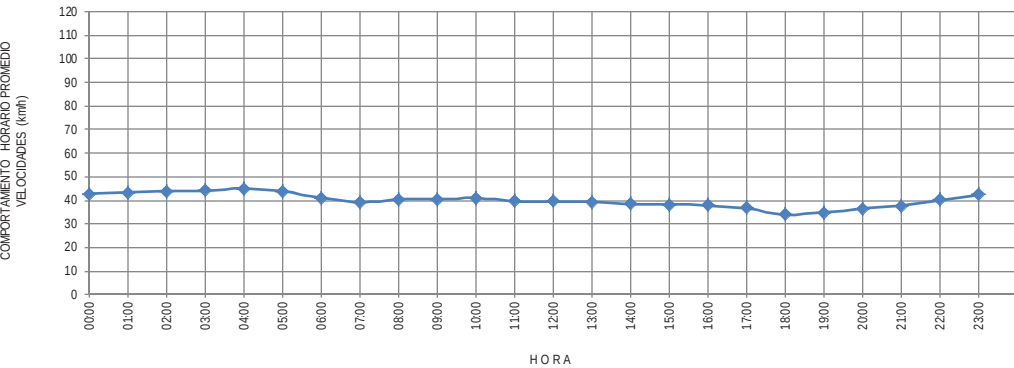
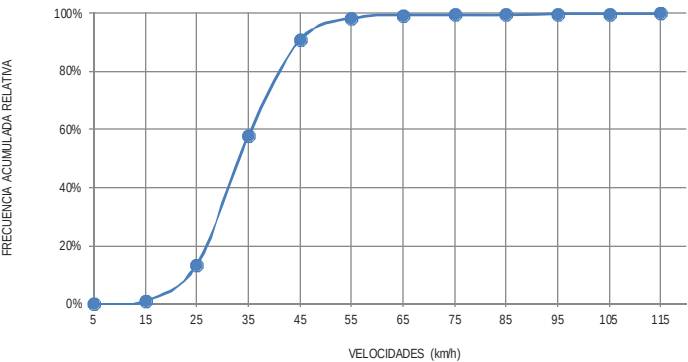
CLAVE: 30717

RUTA: VER

KM: 0.000

TE: 3

SC: 0



60 Carr: Libramiento de Acayucan

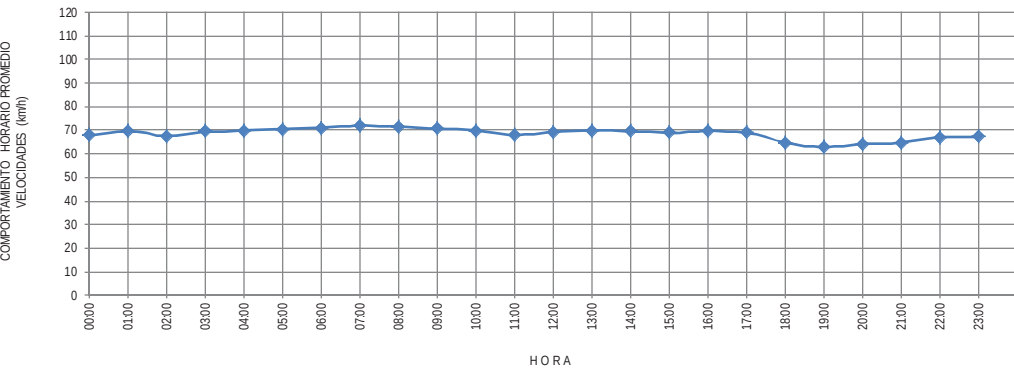
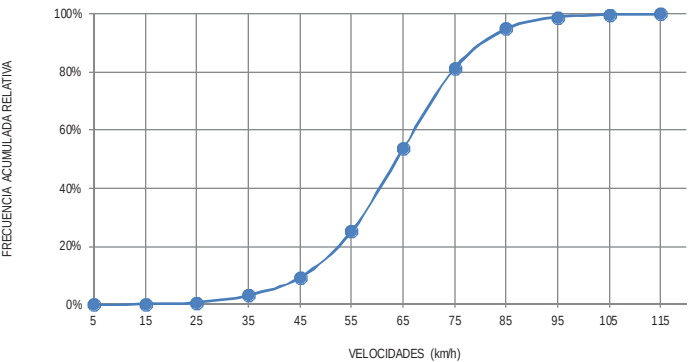
CLAVE: 30736

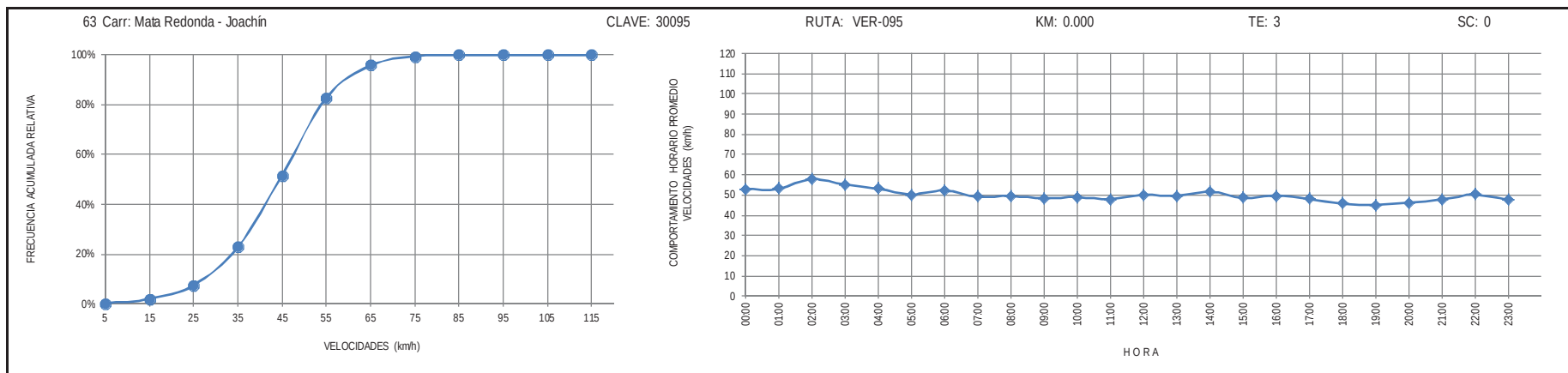
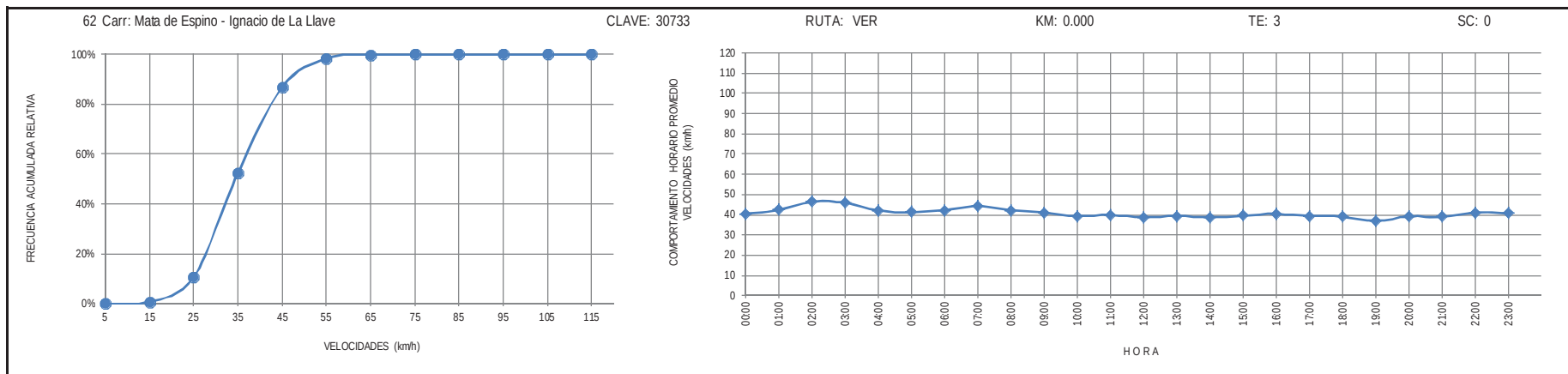
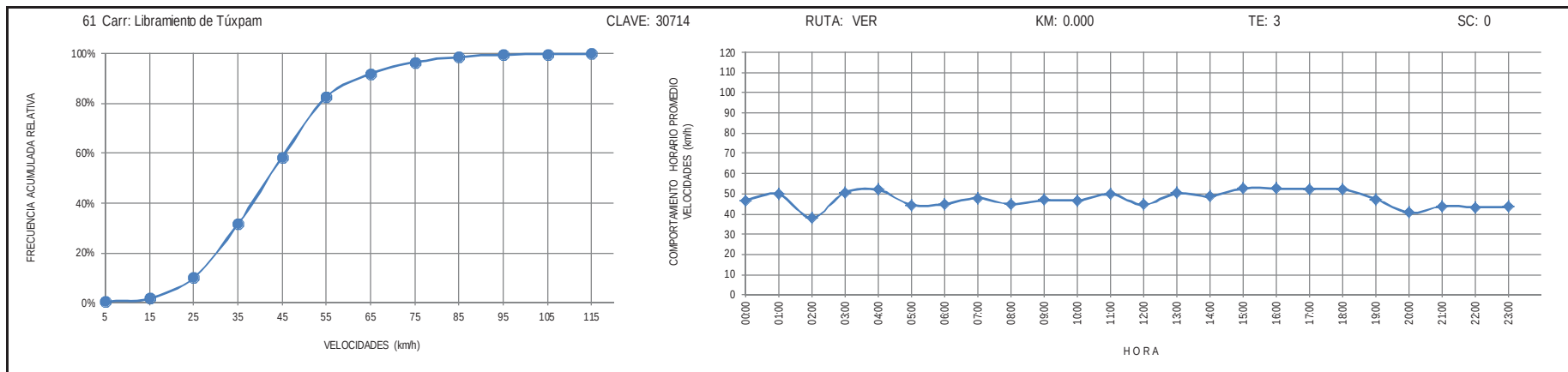
RUTA: VER

KM: 3.100

TE: 1

SC: 0





64 Carr: Nuevo Teapa - Agua Dulce

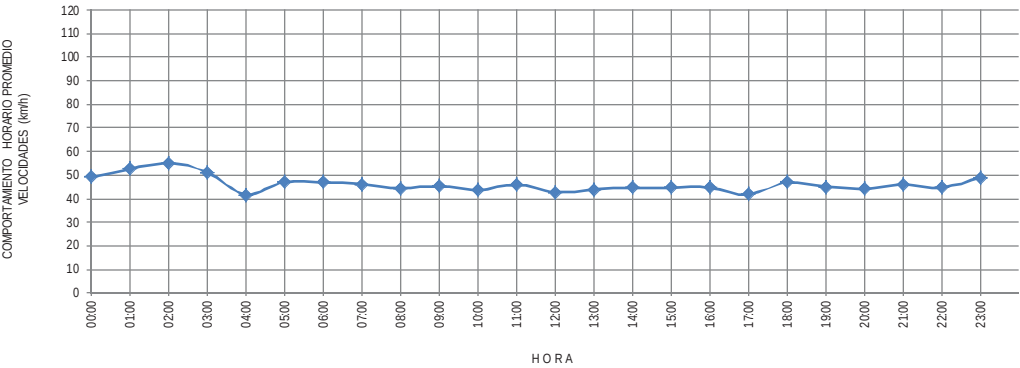
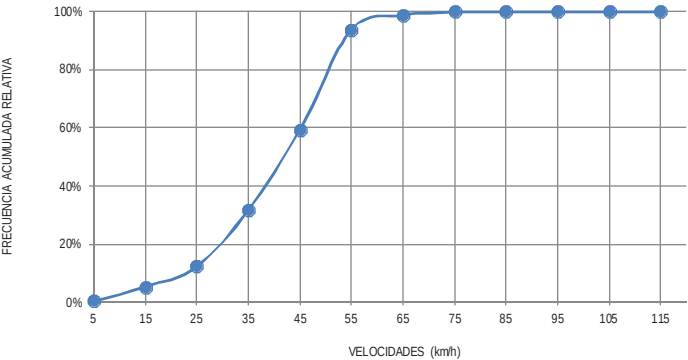
CLAVE: 30007

RUTA: VER

KM: 25.000

TE: 1

SC: 0



65 Carr: Peñuela - Santa Rita

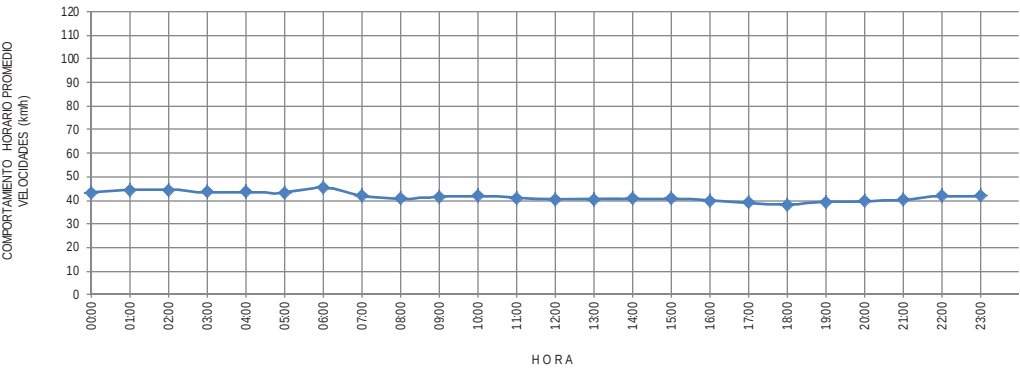
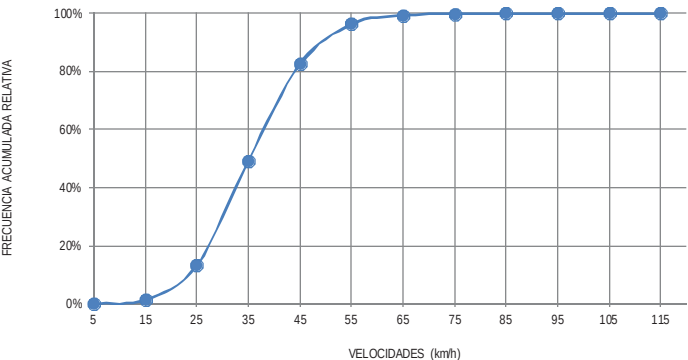
CLAVE: 30058

RUTA: VER

KM: 0.000

TE: 3

SC: 0



66 Carr: Poza Rica - Cazones

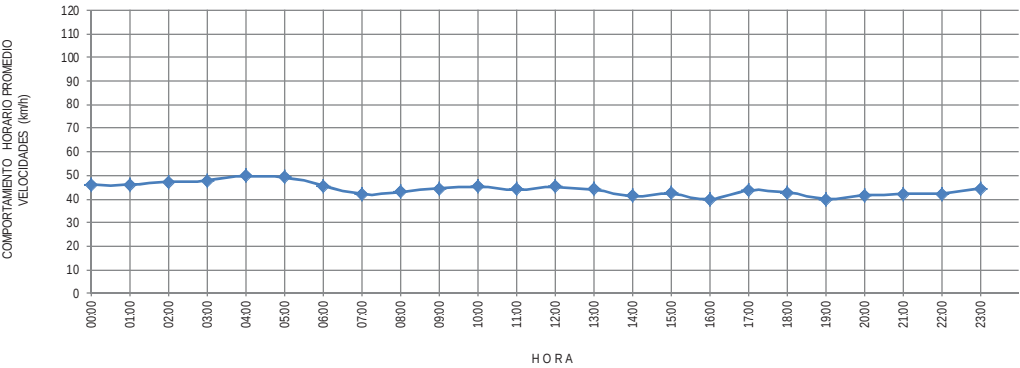
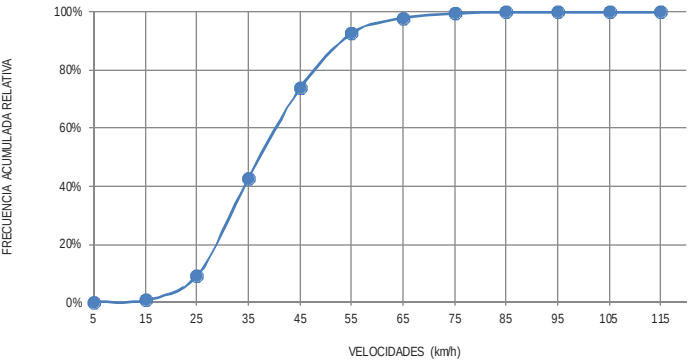
CLAVE: 30075

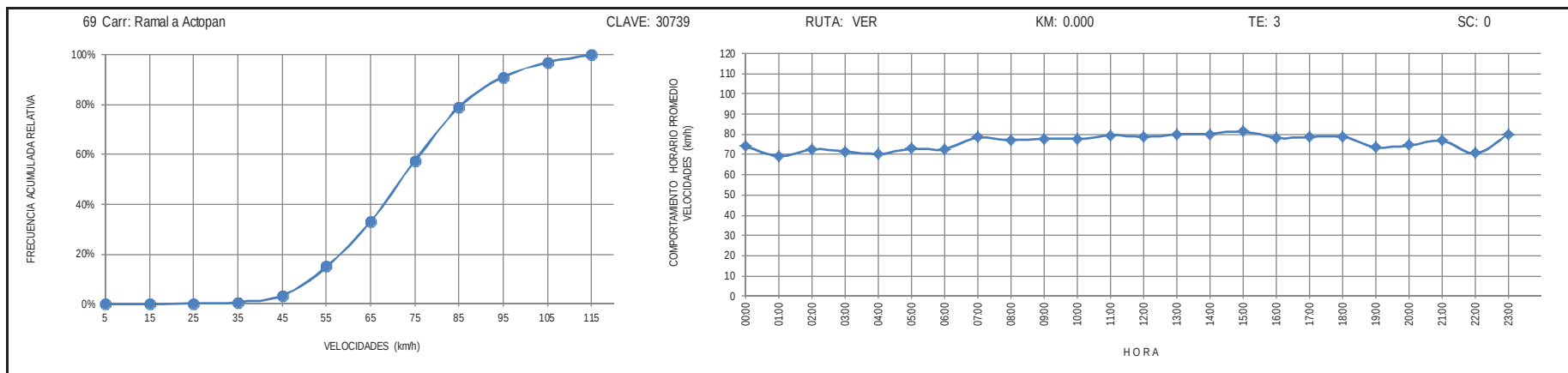
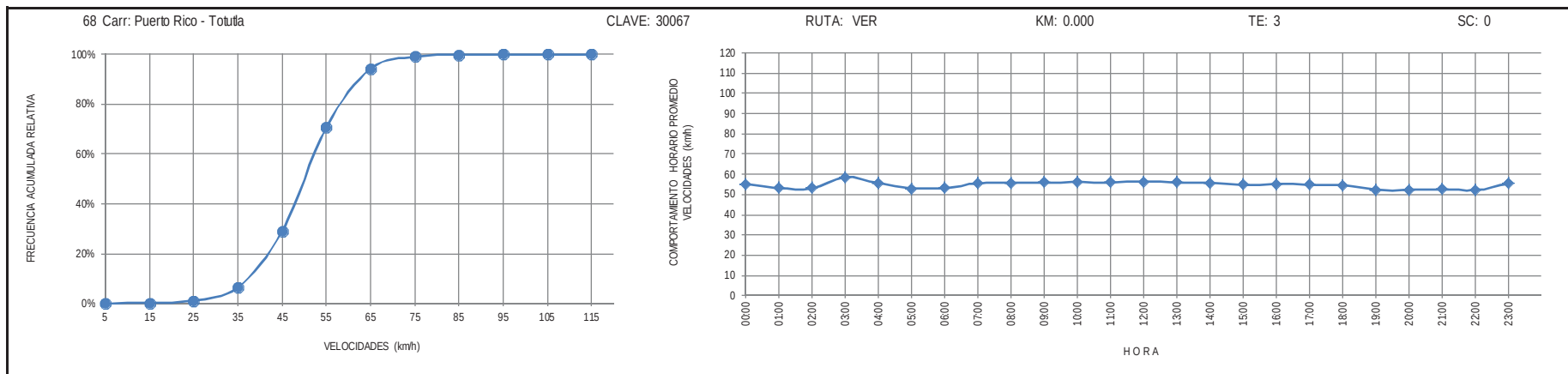
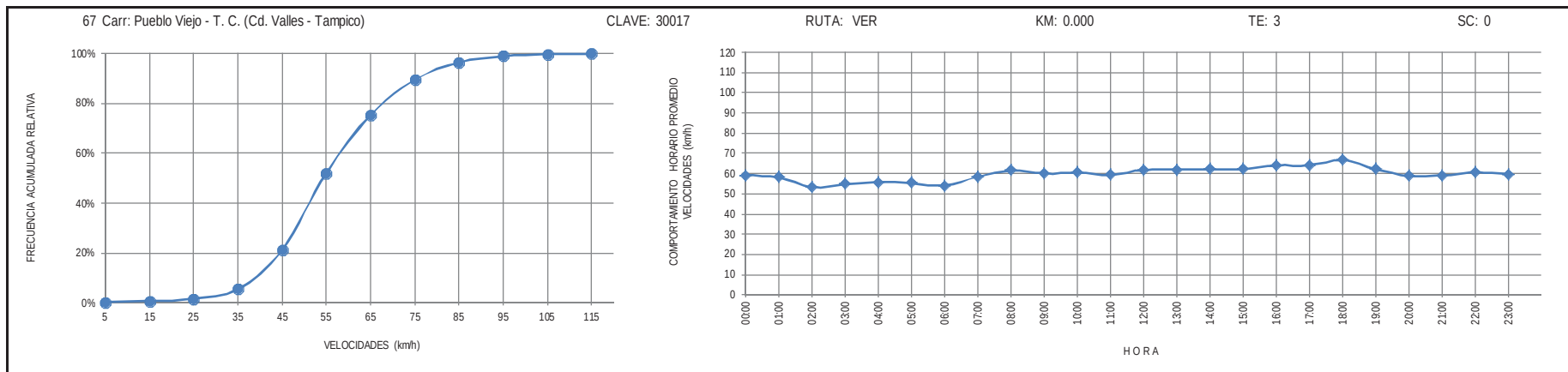
RUTA: VER-075

KM: 0.000

TE: 3

SC: 0







70 Carr: Ramal a Agua Dulce

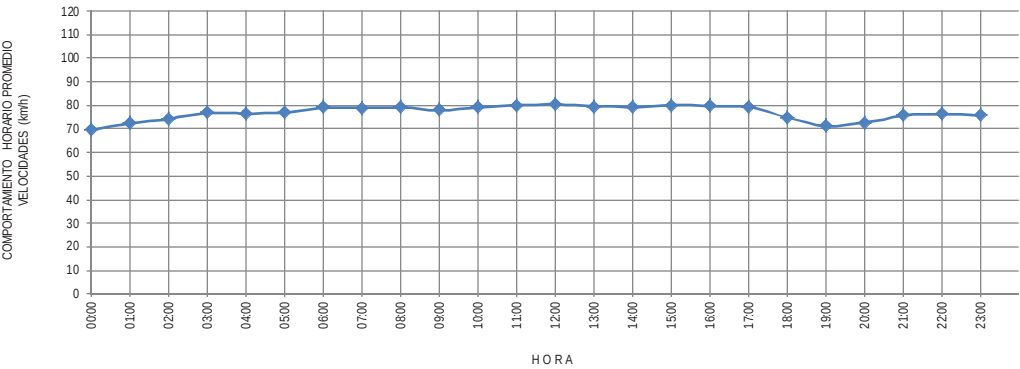
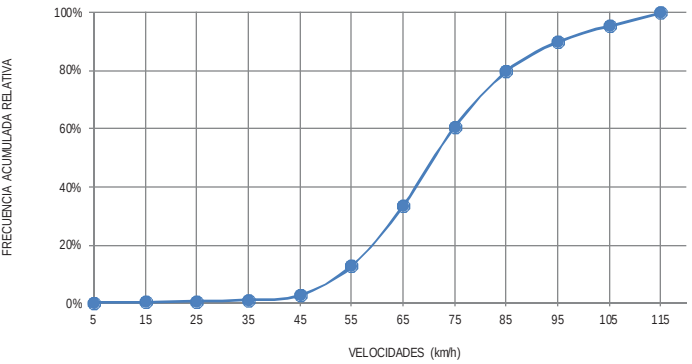
CLAVE: 30739

RUTA: VER

KM: 0.000

TE: 3

SC: 0



71 Carr: Ramal a Chontla

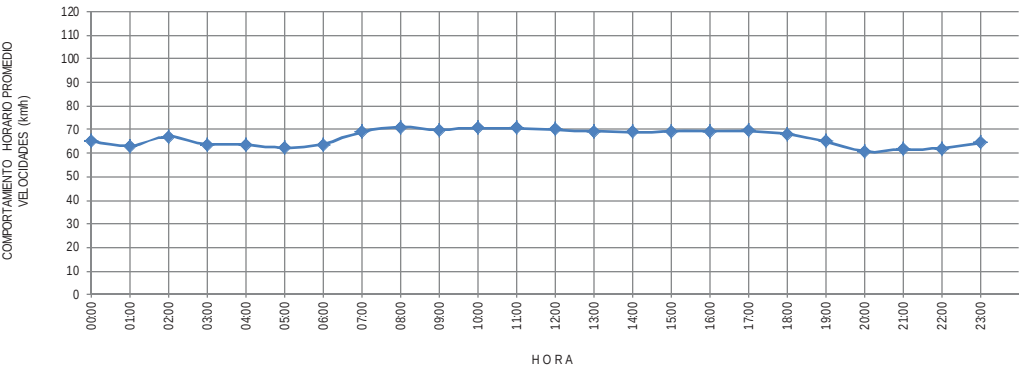
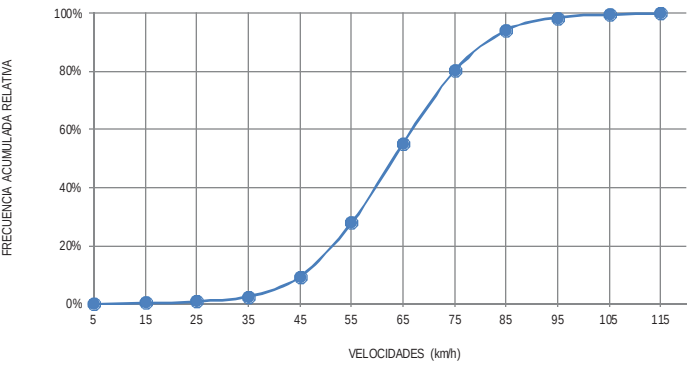
CLAVE: 30728

RUTA: VER

KM: 0.000

TE: 3

SC: 0



72 Carr: Ramal a Estación Ochoa

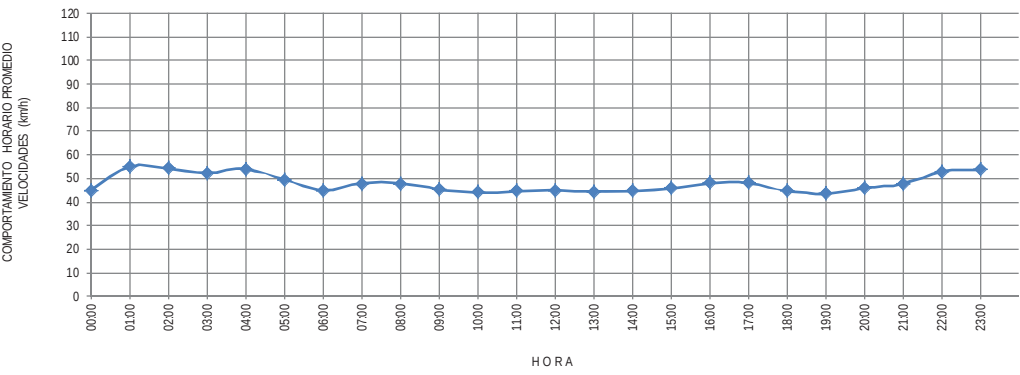
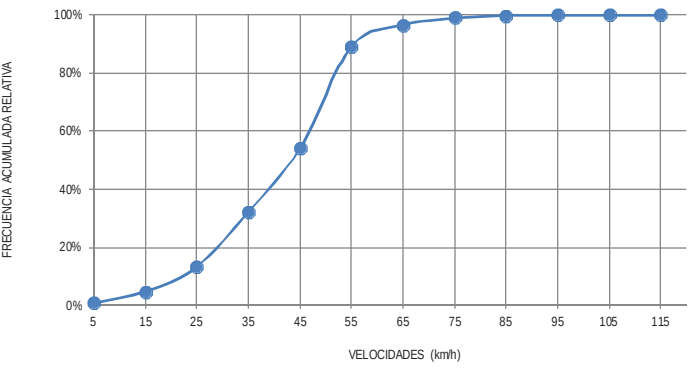
CLAVE: 30712

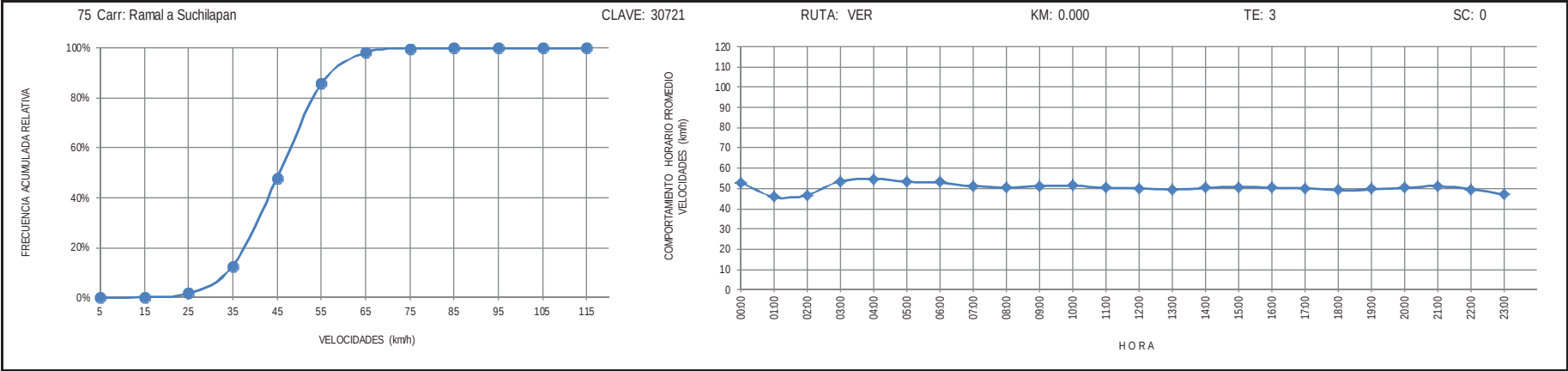
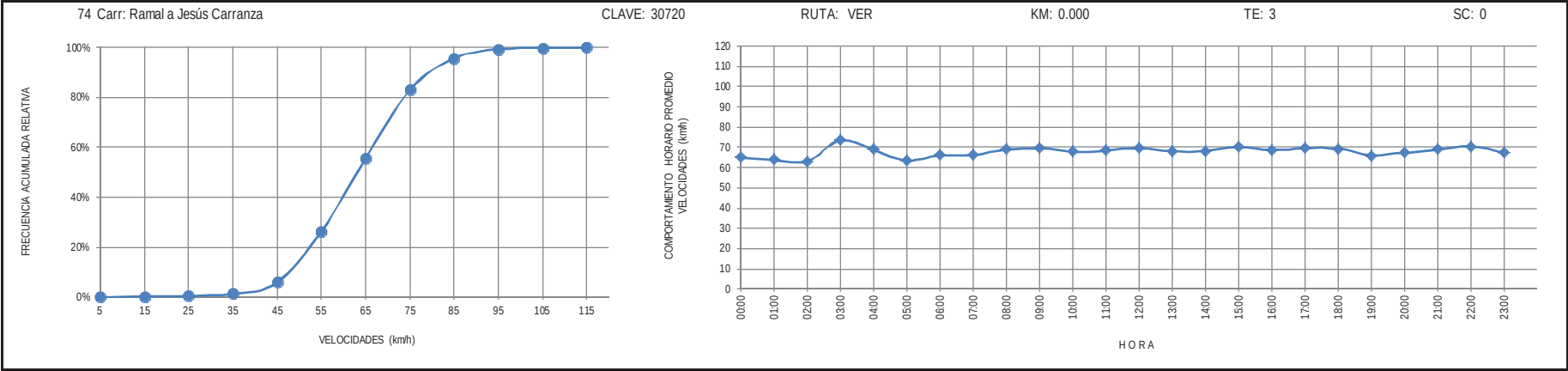
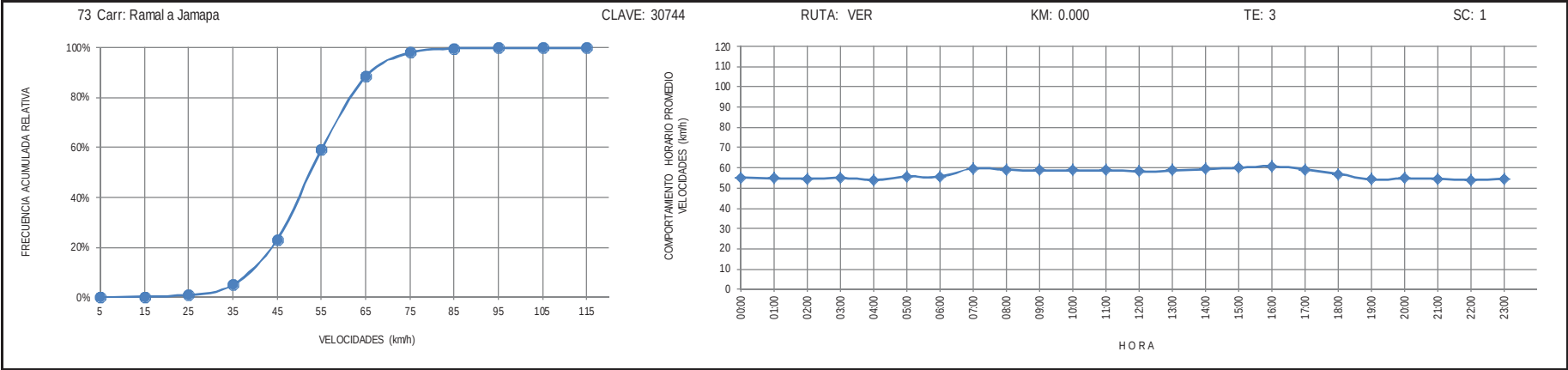
RUTA: VER

KM: 0.000

TE: 3

SC: 0





76 Carr: Ramal a Zempoala

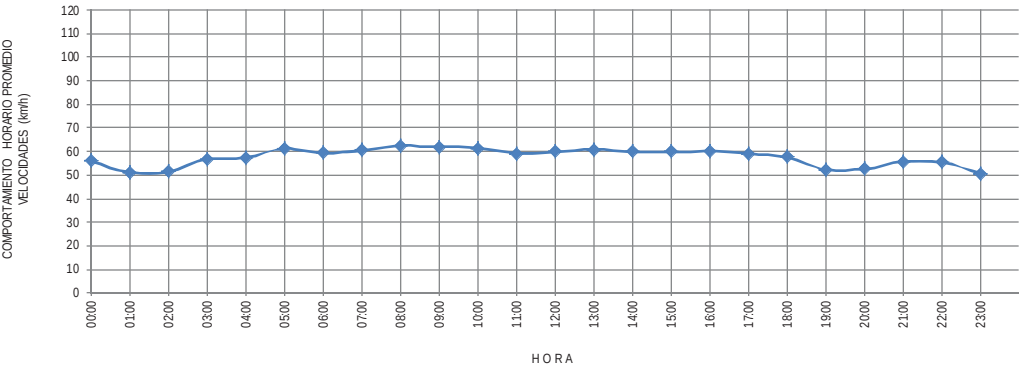
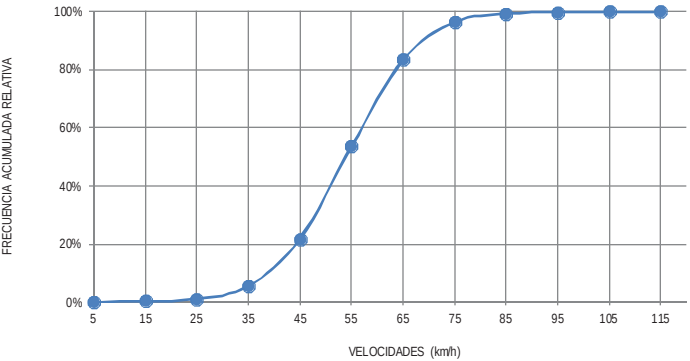
CLAVE: 30192

ruta: VER-192

KM: 0.000

TE: 3

SC: 0



77 Carr: San Alejo - Huayacocotla

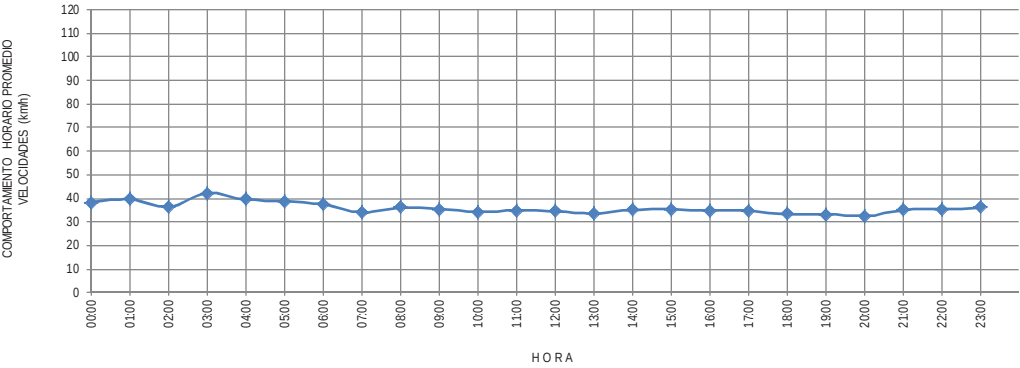
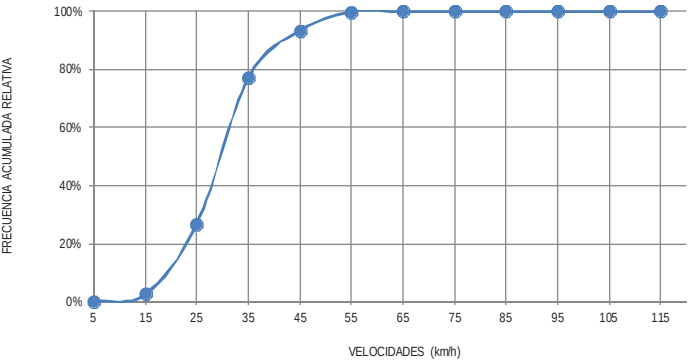
CLAVE: 00132

ruta: HGO-051-VER-11:

KM: 0.000

TE: 3

SC: 0



78 Carr: San Sebastián - Chicontepec

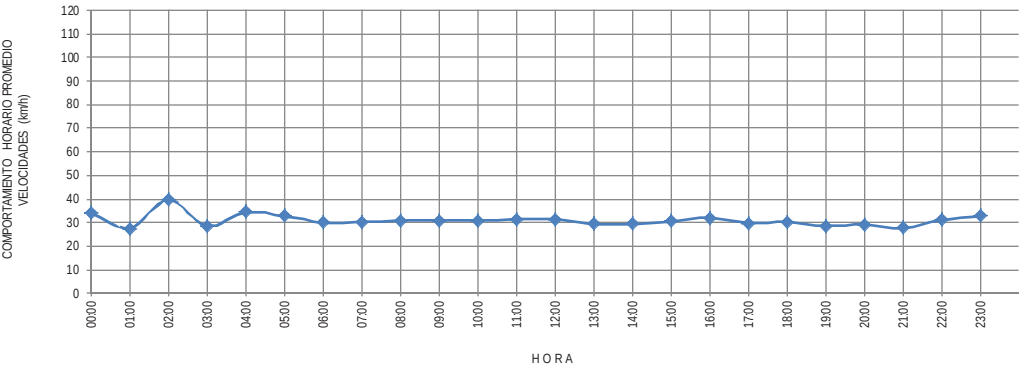
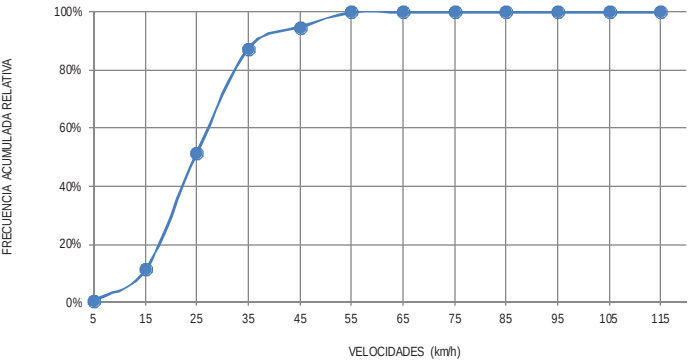
CLAVE: 30083

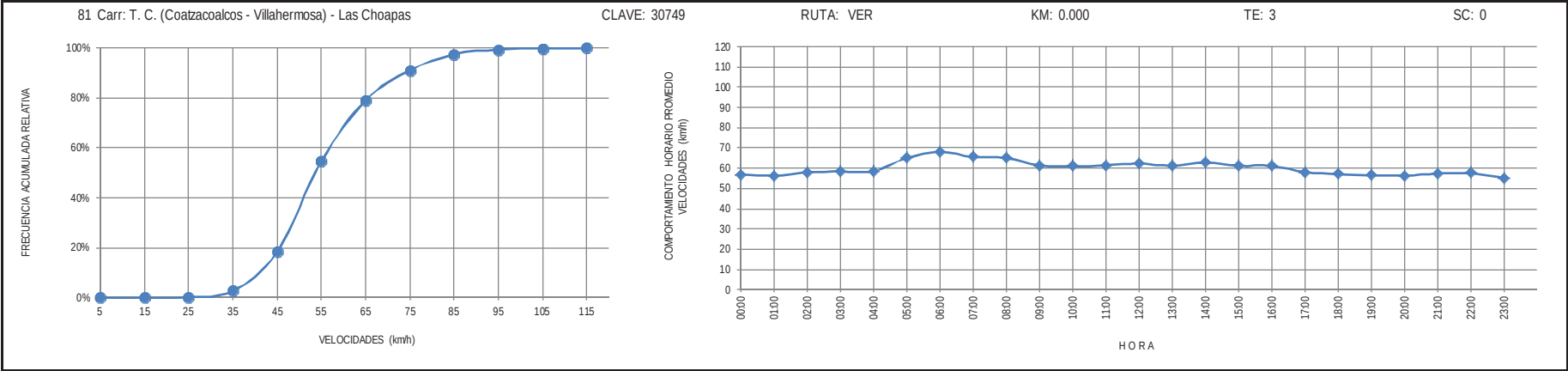
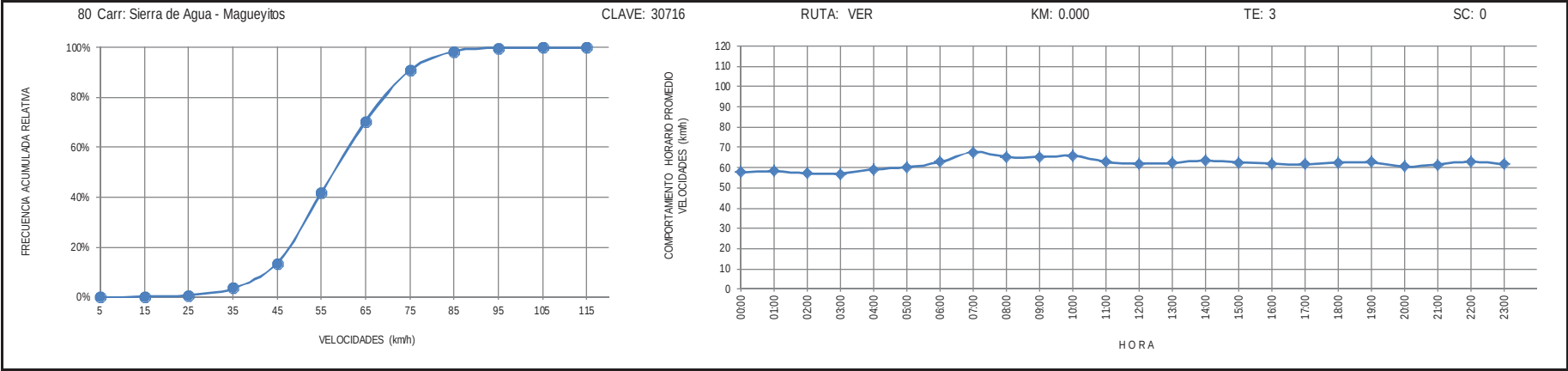
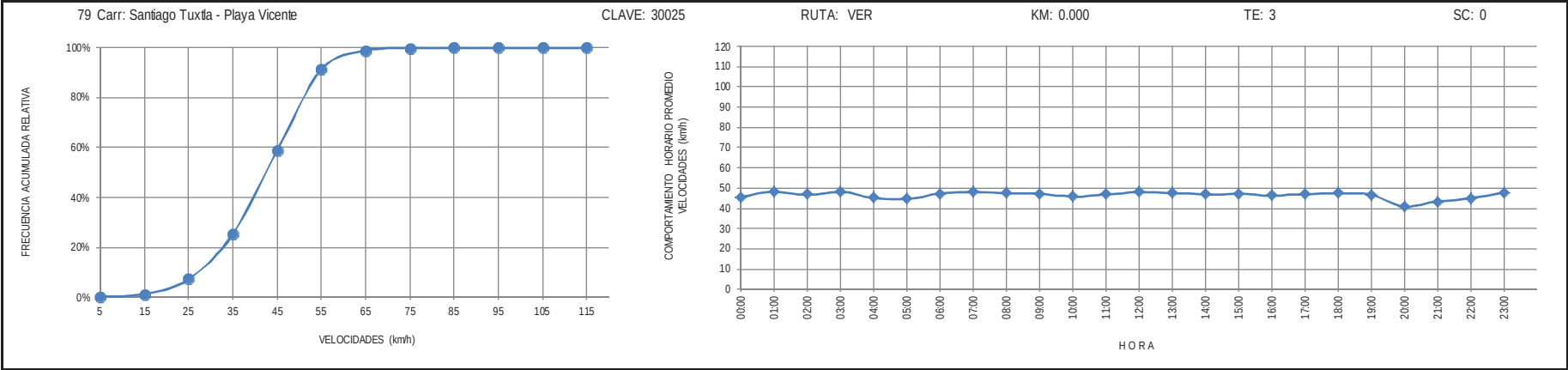
ruta: VER-083

KM: 0.000

TE: 3

SC: 0





82 Carr: Tanbyuca - Platón Sánchez

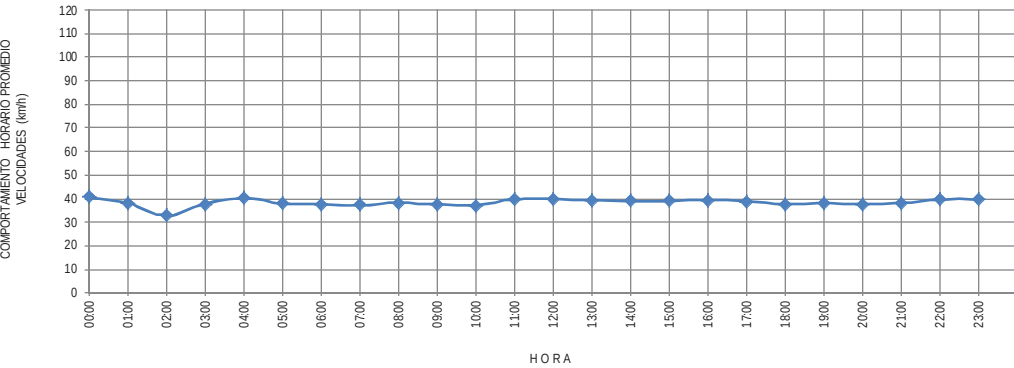
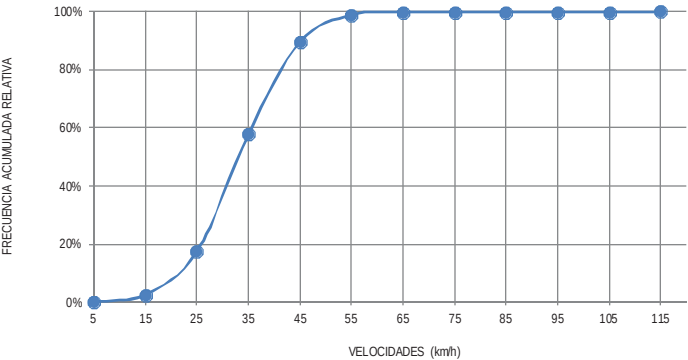
CLAVE: 30193

RUTA: VER

KM: 0.000

TE: 3

SC: 0



83 Carr: Tuxpam - Barra de Tuxpam

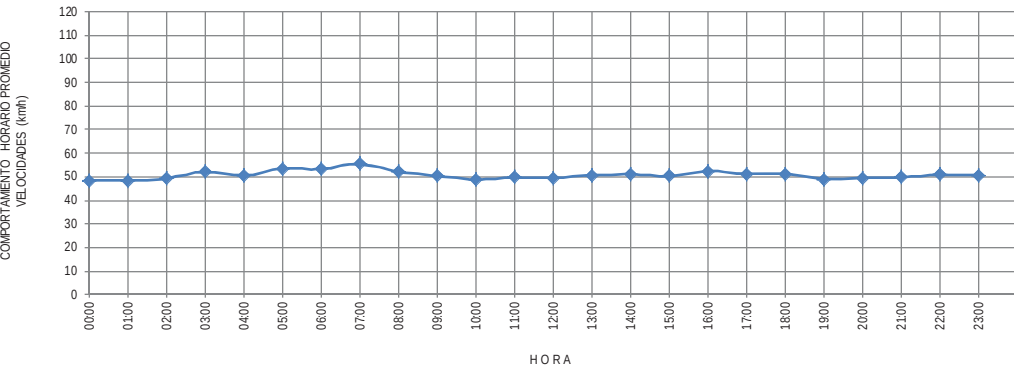
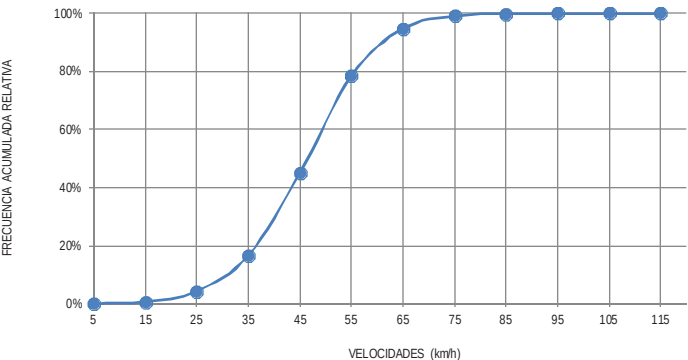
CLAVE: 30743

RUTA: VER

KM: 0.000

TE: 3

SC: 1



84 Carr: Xalapa - Coatepec

CLAVE: 30718

RUTA: VER

KM: 0.000

TE: 3

SC: 1

