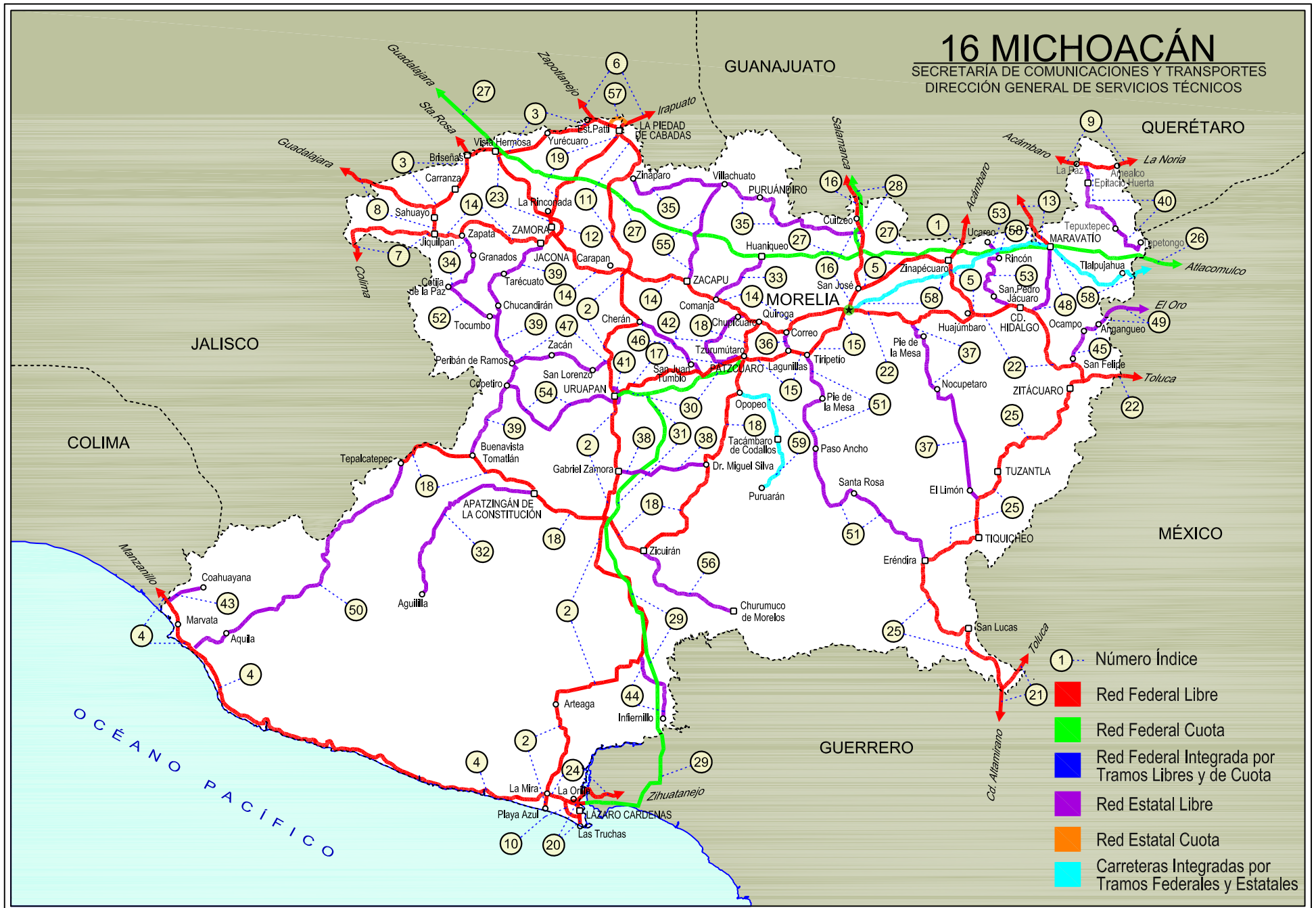


MICHOACAN

NO. INDICE	CARRETERA	ruta
---RED FEDERAL LIBRE---		
1	Acámbaro - Zinápcuaro	MEX-120
2	Carapan - Playa Azul	MEX-037
3	Ent. Patti - Sahuayo	MEX-110
4	Ent. Playa Azul - Manzanillo	MEX-200
5	Huajúmbaro - San José	MEX-051-120
6	Irapuato - Zapotlanejo	MEX-090
7	Jiquilpan - Colima	MEX-110
8	Jiquilpan - Guadalajara	MEX-015
9	La Noria - Acámbaro	MEX-120
10	La Orilla - Las Truchas	MEX-200
11	La Piedad - Carapan	MEX-037
12	Libramiento Oriente de Zamora	MEX-015
13	Maravatío - Acámbaro	MEX-061
14	Morelia - Jiquilpan	MEX-015
15	Morelia - Pátzcuaro	MEX-014
16	Morelia - Salamanca	MEX-043
17	Pátzcuaro - Uruapan	MEX-014
18	Quiroga - Tepalcatepec	MEX-120
19	Rinconada - La Piedad	MEX-015
20	T. C. (Zihuatanejo - La Mira) - Lázaro Cárdenas	MEX-200
21	Toluca - Cd. Altamirano	MEX-134
22	Toluca - Morelia	MEX-015
23	Zamora - Vista Hermosa	MEX-035
24	Zihuatanejo - La Mira	MEX-200
25	Zitácuaro - Cd. Altamirano	MEX-051
---RED FEDERAL DE CUOTA---		
26	Atlaconulco - Maravatío (Cuota)	MEX-015D
27	Maravatío - Zapotlanejo (Cuota)	MEX-015D
28	Morelia - Salamanca (Cuota)	MEX-043D
29	Nueva Italia - Lázaro Cárdenas (Cuota)	MEX-014D
30	Pátzcuaro - Uruapan (Cuota)	MEX-14D
31	Uruapan - Nueva Italia (Cuota)	MEX-014D
---RED ESTATAL LIBRE---		
32	Apatzingán - Aguililla	MICH
33	Comanja - Huaniqueo	MICH-024
34	Cotija - Emiliano Zapata	MICH
35	Cuitzeo - Zináparo	MICH-027
36	El Correo - Lagunillas	MICH
37	El Temascal - El Limón	MICH
38	Gabriel Zamora - Dr. Miguel Silva	MICH
39	Jacona - Buenavista Tomatlán	MICH-016
40	La Paz - Tepetongo	MICH
41	Libramiento de Uruapan	MICH
42	Pátzcuaro - Chupícuaro	MICH
43	Ramal a Coahuayana	MICH-069
44	Ramal a Infiernillo	MICH-010
45	San Felipe Alzati - Angangueo	MICH-044
46	San Juan Tumbio - Cherán	MICH
47	T. C. (Carapan - Playa Azul) - Peribán de Ramos	MICH
48	T. C. (Toluca - Morelia) - Maravatío	MICH-122
49	T. C. (V. Victoria - El Oro de Hidalgo) - Angangueo	EM-003-MICH
50	Tepalcatepec - Aguila	MICH
51	Tiripetío - Eréndira	MICH
52	Tocumbo - Cotija	MICH-042
53	Ucareo - T. C. (Toluca - Morelia)	MICH
54	Uruapan - El Copetiro	MICH
55	Zacapu - Villachuato	MICH-039
56	Zicuirán - Churumuco	MICH
---RED ESTATAL DE CUOTA---		
57	Libramiento de La Piedad (Cuota)	MICH-D
---CARRETERAS INTEGRADAS POR TRAMOS FEDERALES Y ESTATALES---		
58	Atlaconulco - Morelia	EM-005-MEX-126
59	Opopeo - Puruarán	MEX-041-MICH

16 MICHOACÁN

SECRETARÍA DE COMUNICACIONES Y TRANSPORTES
DIRECCIÓN GENERAL DE SERVICIOS TÉCNICOS



MICHOACAN

1 C A R R : Acámbaro - Zinapécuaro

CLAVE: 00417

RUTA: MEX-120

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
Acámbaro	0.00	3	0	5326	63.0	72.6	87.3	11.2	61.1	68.0	74.9	8.1	59.3	70.1	87.6	12.4	19.999703	-100.730352
Lim. Edos. Term. Gto. Ppia. Mich.	12.80																	
Zinapécuaro	25.00	1	0	4661	65.8	78.1	96.2	12.6	58.3	63.5	87.7	8.1	61.2	73.7	91.3	12.6	19.875370	-100.816806

2 C A R R : Carapan - Playa Azul

CLAVE: 16126

RUTA: MEX-037

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. Morelia - Jiquilpan	0.00	3	0	4734	47.7	53.7	64.1	8.6	44.7	53.5	66.1	11.0	40.8	51.4	64.5	12.3	19.851111	-102.031583
T. Der. Sta. Cruz Tanaco	12.75	1	0	5237	59.8	72.7	96.6	13.3	55.0	68.9	88.3	11.8	53.9	64.2	93.1	11.8	19.747583	-102.026139
Cherán	26.50	1	0	4396	48.8	52.8	62.8	7.2	47.4	51.6	59.5	6.3	48.1	52.6	56.7	8.2	19.690139	-101.961972
Cherán	26.50	3	0	4606	53.3	61.1	73.5	9.2	51.2	57.8	70.9	8.8	48.8	56.4	72.4	10.9	19.676806	-101.963694
Paracho de Verduzco	40.40	1	0	6795	61.6	68.0	90.2	9.4	69.1	79.1	92.1	12.4	61.6	73.9	93.9	13.0	19.657611	-102.037861
Paracho de Verduzco	40.40	3	0	6153	59.3	72.0	95.5	13.1	55.4	70.0	87.7	12.0	54.2	65.6	93.5	12.0	19.628361	-102.063361
Capácuaro	56.00	1	0	5519	62.2	71.1	84.3	10.4	57.1	63.0	79.3	8.4	54.3	63.9	81.2	11.0	19.551472	-102.051500
T. Der. Peribán	59.40	1	0	6233	66.3	74.9	92.1	10.8	60.5	69.0	82.3	9.9	57.3	69.5	87.7	13.2	19.531194	-102.076389
T. Der. Peribán	59.40	3	0	9660	74.4	82.1	94.3	9.2	67.7	78.9	90.6	12.5	65.4	77.0	91.0	12.9	19.527167	-102.076861
Uruapan	72.03	1	1	7973	62.6	67.7	78.6	7.6	54.0	60.2	69.9	7.5	54.9	62.0	73.7	9.1	19.435972	-102.072444
Uruapan	72.03	1	2	8019	59.1	64.8	74.2	8.9	52.4	61.1	72.4	10.4	50.6	60.6	73.2	11.2	19.435972	-102.072444
Uruapan	72.03	3	0	7945	65.1	73.8	90.2	10.2	60.5	68.6	82.2	9.9	58.9	67.7	84.2	10.7	19.361472	-102.061417
Gabriel Zamora	113.68	1	0	6508	72.2	82.6	99.7	11.8	66.9	75.0	88.7	10.5	64.5	74.9	94.0	12.4	19.177778	-102.063694
X. C. Quiroga - Tepalcatepec	137.78	1	1	10439	67.7	74.1	84.9	9.2	64.1	72.3	83.0	9.9	61.3	71.3	84.0	10.9	18.992861	-102.104250
X. C. Quiroga - Tepalcatepec	137.78	1	2	9940	57.6	63.5	73.7	9.3	55.1	60.0	69.1	5.9	53.1	58.9	71.4	7.9	18.992861	-102.104250
X. C. Quiroga - Tepalcatepec	137.78	3	0	6792	47.3	54.2	65.5	9.0	47.6	53.5	64.8	8.3	46.9	53.4	69.1	10.2	18.990361	-102.104667
San Pedro Barajas	171.49	1	0	243	59.1	70.6	87.4	12.4	50.0	59.0	64.2	10.8	52.0	54.6	73.0	8.4	18.790566	-102.056109
San Pedro Barajas	171.49	3	0	703	68.2	79.7	97.6	12.4	63.4	74.3	92.5	11.2	58.1	67.6	91.0	10.2	18.785461	-102.046632
T. Izq. Infiernillo	212.61	1	0	803	59.6	71.2	88.4	12.5	53.8	62.5	84.2	10.9	50.6	58.0	74.2	11.0	18.524278	-101.980438
T. Izq. Infiernillo	212.61	3	0	851	56.5	69.3	83.7	12.9	51.9	57.7	74.7	9.9	52.4	54.6	74.0	8.1	18.520699	-101.981351
Arteaga	274.50	1	0	1623	42.2	50.3	63.5	9.7	42.4	50.5	54.9	9.9	40.0	50.1	56.1	11.3	18.371800	-102.290800
T. Izq. Zihuatanejo	333.80	1	0	3118	54.9	60.7	72.0	7.0	53.0	57.6	64.9	6.9	51.3	54.6	65.2	8.0	18.047382	-102.328926
T. Izq. Zihuatanejo	333.80	3	0	5829	56.6	62.1	72.7	7.4	49.8	54.1	64.0	7.6	48.3	53.6	66.1	9.2	18.029787	-102.328660
Playa Azul	340.70	1	0	3559	63.3	73.9	93.2	11.7	57.6	64.1	82.6	7.6	59.1	70.1	92.0	11.5	17.987779	-102.353687

MICHOACAN

3 C A R R : Ent. Patti - Sahuayo

CLAVE: 16181

RUTA: MEX-110

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. Irapuato - Guadalajara	0.00	3	0	10408	55.8	61.7	72.7	7.4	49.6	54.8	67.7	8.5	47.8	53.8	67.8	9.2	20.374694	-102.113528
T. Izq. Zamora	44.26	1	0	7932	63.1	76.2	94.7	14.0	57.9	67.6	83.0	11.5	56.1	67.3	86.0	12.1	20.266167	-102.468778
Vista Hermosa	44.98	3	0	10832	77.2	89.2	111.4	13.0	74.5	84.5	106.6	11.9	72.5	82.8	103.8	12.2	20.279139	-102.489889
Briseñas	55.90	3	0	6526	67.9	77.5	95.0	11.6	62.2	70.7	84.1	9.7	62.1	71.6	90.4	11.0	20.263306	-102.581417
Cumuatillo	71.87	3	0	6388	65.5	75.0	91.4	10.8	58.5	68.7	83.8	11.8	56.1	66.6	83.4	11.9	20.146417	-102.627444
T. C. Jiquilpan - Guadalajara	88.00	1	0	11798	56.9	64.4	81.0	9.7	52.7	60.0	73.6	9.1	52.1	60.3	77.4	10.4	20.081333	-102.713444

4 C A R R : Ent. Playa Azul - Manzanillo

CLAVE: 00495

RUTA: MEX-200

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. Carapan - Playa Azul	0.00	3	0	3876	67.5	79.2	98.4	12.6	68.3	78.2	135.1	13.4	69.1	83.5	125.3	16.0	18.020792	-102.342741
Caleta de Campos	50.24	1	0	1665	57.9	67.9	84.7	11.4	57.1	66.5	81.8	9.8	54.8	64.1	82.7	10.4	18.077340	-102.745696
Tizupan	106.60	1	0	725	58.9	71.6	86.6	13.5	60.5	68.9	82.0	9.9	56.9	61.4	78.8	6.7	18.226694	-103.126361
Maruata	149.75	1	0	1158	58.2	68.9	87.8	12.0	57.4	63.3	82.6	8.2	54.0	59.0	77.8	7.6	18.273417	-103.342278
Maruata	149.75	3	0	921	67.2	85.4	107.1	17.4	60.6	73.3	88.7	12.2	58.7	63.6	84.0	8.0	18.279083	-103.353722
T. Der. Aquila	190.10	3	0	2381	57.9	68.5	85.9	11.9	57.3	67.6	84.0	11.2	53.8	59.1	77.7	8.0	18.566722	-103.628833
Lim. Edos. Term. Mich. Ppia. Col.	229.60																	
Cerro de Ortega	233.20	1	0	4970	77.3	88.0	104.1	11.7	73.6	81.8	100.1	9.8	69.5	77.3	97.3	10.7	18.745056	-103.724111
El Balcón	242.95	1	0	5567	87.1	100.0	120.0	13.6	80.0	90.6	104.7	12.1	77.5	87.2	105.7	11.4	18.782944	-103.771083
El Balcón	242.95	3	0	5090	83.1	94.9	115.0	13.4	74.4	84.1	98.0	12.6	73.8	84.1	100.7	12.5	18.784750	-103.776056
Cofradía de Morelos	252.45	1	0	7670	77.8	89.2	111.0	12.6	70.4	82.2	104.8	12.9	68.3	78.2	103.0	12.3	18.860194	-103.835000
Cofradía de Morelos	252.45	3	1	4650	67.5	73.0	83.6	8.0	61.1	64.5	79.8	7.5	57.9	63.4	78.8	8.0	18.869000	-103.840778
Cofradía de Morelos	252.45	3	2	4579	67.1	72.9	83.6	8.1	61.0	64.5	79.9	7.5	57.7	62.9	76.4	7.6	18.869000	-103.840778
T. C. Colima - Ent. Tecmán	263.75	1	1	5695	68.9	77.2	92.4	10.5	66.9	103.0	113.3	15.3	80.2	100.4	112.9	18.4	18.895917	-103.858139
T. C. Colima - Ent. Tecmán	263.75	1	2	5488	68.5	76.7	92.0	10.5	66.8	103.4	113.4	15.5	78.4	99.8	112.8	19.3	18.895917	-103.858139
T. Der. Rincón de López	269.25	1	0	5641	55.6	62.1	73.8	7.8	51.6	54.8	64.1	7.0	51.6	55.4	67.7	7.8	18.951216	-103.946329
Armería	272.50	1	0	5839	62.6	71.5	84.7	10.4	62.9	69.0	80.7	8.1	61.6	68.5	82.0	9.2	18.940833	-103.947528
T. Izq. Cuyutlán	278.17	1	0	5645	86.0	99.2	122.8	13.7	79.7	92.3	109.0	13.4	78.7	92.4	113.5	14.9	18.935444	-104.017778
Santa Rita	292.50	1	0	5430	51.9	60.0	72.3	9.7	45.6	50.9	61.2	6.7	41.4	45.6	60.8	8.1	19.013417	-104.091167
Santa Rita	292.50	3	0	6530	71.5	81.8	98.4	11.6	68.3	79.2	96.8	12.5	62.2	72.4	92.2	11.5	19.013361	-104.103500
Las Nuevas Juntas	310.65	1	0	6035	62.1	72.7	89.8	12.1	57.4	68.5	83.6	12.2	56.1	67.2	83.6	12.3	19.043632	-104.220054
T. Der. Libramiento de Manzanillo (Libre)	312.65	1	0	9779	63.6	72.4	90.7	10.4	61.7	70.7	85.6	10.5	60.4	69.7	88.9	11.1	19.055472	-104.235222
T. Der. Libramiento de Manzanillo (Libre)	312.65	3	0	4901	46.6	53.2	68.7	8.6	41.8	49.0	63.0	9.2	44.5	52.1	69.9	10.1	19.055611	-104.243889
Manzanillo	321.12	1	0	7045	53.1	58.9	71.9	7.8	49.8	54.4	63.9	7.9	49.2	54.6	66.0	8.9	19.049472	-104.292139

MICHOACAN

5 C A R R : Huajúmbaro - San José

CLAVE: 16555

ruta: MEX-051-120

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. Toluca - Morelia	0.00	3	0	4195	44.5	53.1	68.5	9.5	45.9	52.8	61.6	9.8	44.4	53.9	69.4	11.6	19.671754	-100.739837
X. C. Atlacomulco - Morelia	26.59	3	0	4360	49.3	54.6	64.6	9.1	48.7	52.2	56.0	6.5	46.7	52.8	63.4	8.8	19.823611	-100.825173
T. Der. Libramiento de Zinapécuaro	33.83	3	0	5595	66.2	74.2	90.4	9.9	60.5	65.0	74.0	7.1	61.7	70.5	84.7	10.5	19.860576	-100.846361
T. Izq. Morelia	52.50	1	0	5244	77.0	90.5	110.3	14.1	72.3	85.0	101.5	13.6	71.4	86.8	107.1	15.7	19.850874	-101.008368
T. Izq. Morelia	52.50	3	0	5321	86.5	98.1	117.6	12.5	70.8	84.3	100.7	14.8	80.1	92.9	111.0	13.7	19.844480	-101.017119
T. C. Morelia - Salamanca	71.14	1	0	19367	47.0	51.4	62.6	6.5	44.6	48.2	59.0	5.7	44.3	48.6	62.1	6.7	19.770444	-101.150556

6 C A R R : Irapuato - Zapotlanejo

CLAVE: 00114

ruta: MEX-090

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
Irapuato	0.00																	
T. Izq. Querétaro - Irapuato (Cuota)	2.78	1	1	23400	44.5	50.9	62.8	7.8	42.1	49.7	57.4	8.8	38.3	46.8	61.3	10.3	20.653167	-101.371000
T. Izq. Querétaro - Irapuato (Cuota)	2.78	1	2	22890	43.1	50.8	63.0	9.3	41.6	50.2	61.4	10.1	37.6	48.2	62.3	11.3	20.653167	-101.371000
T. Izq. Querétaro - Irapuato (Cuota)	2.78	3	1	15177	72.6	83.3	97.2	12.7	64.8	74.2	89.3	10.6	60.9	72.4	87.2	11.9	20.562028	-101.377139
T. Izq. Querétaro - Irapuato (Cuota)	2.78	3	2	15227	82.5	91.1	103.5	10.3	75.3	83.0	94.4	9.3	72.4	81.3	93.5	10.6	20.562028	-101.377139
T. C. Libramiento Norponiente de Irapuato (Cuota)	11.00	3	1	13240	93.6	105.1	128.8	13.8	91.5	106.4	136.4	15.7	88.2	101.9	135.1	15.3	20.589944	-101.426056
T. C. Libramiento Norponiente de Irapuato (Cuota)	11.00	3	2	13556	95.0	105.7	129.5	12.5	91.2	104.5	139.0	15.3	88.6	100.8	136.2	14.3	20.589944	-101.426056
T. Der. Cuerámaro	15.00	3	1	14443	111.7	131.8	143.3	17.6	105.3	123.9	142.3	16.1	104.8	122.9	142.1	16.3	20.558111	-101.450222
T. Der. Cuerámaro	15.00	3	2	14212	105.4	119.0	138.0	13.8	98.5	112.2	137.8	14.3	95.7	111.1	137.6	15.3	20.558111	-101.450222
Abasolo	30.00	1	1	11831	97.0	110.4	127.3	13.7	84.8	92.7	103.6	9.6	82.9	91.7	103.8	10.3	20.472889	-101.502500
Abasolo	30.00	1	2	11325	102.1	121.3	140.1	17.7	95.8	111.9	136.0	15.4	90.5	104.3	131.8	15.2	20.472889	-101.502500
Abasolo	30.00	3	1	9640	99.5	113.2	131.0	14.6	88.2	97.8	117.9	12.4	86.8	96.2	114.9	11.8	20.450889	-101.558306
Abasolo	30.00	3	2	8748	113.0	134.6	143.6	18.2	100.4	114.7	140.7	15.1	97.2	109.0	137.4	13.6	20.450889	-101.558306
Pénjamo	50.65	1	1	10866	101.2	118.6	139.6	16.8	91.2	103.2	128.9	14.2	86.0	98.9	122.1	14.2	20.436806	-101.692250
Pénjamo	50.65	1	2	10898	98.9	113.4	132.2	14.6	93.2	102.2	119.2	11.1	91.5	101.0	114.9	11.4	20.436806	-101.692250
Pénjamo	50.65	3	1	10648	69.6	79.6	91.7	11.1	62.9	70.4	77.3	9.4	65.6	72.5	82.4	8.8	20.412778	-101.732944
Pénjamo	50.65	3	2	10542	86.5	104.2	128.3	17.4	81.4	94.8	112.7	14.5	77.8	92.5	114.7	15.5	20.412778	-101.732944
T. Der. Manuel Doblado	83.87	1	0	20371	68.7	79.5	97.7	12.0	64.2	72.9	86.6	10.1	63.2	72.2	88.1	10.9	20.360056	-101.999806
Lim. Edos. Term. Gto. Ppia. Mich.	85.01																	
La Piedad	87.00	3	1	12040	72.5	83.5	101.5	12.6	64.3	75.9	92.5	12.1	61.8	73.0	91.4	12.2	20.355972	-102.059778
La Piedad	87.00	3	2	12810	72.4	83.4	101.3	12.6	64.2	75.7	92.7	12.2	61.7	72.9	91.2	12.1	20.355972	-102.059778
T. Izq. Yurécuaro	100.00	3	0	8949	69.6	82.1	102.4	13.2	63.8	76.8	97.1	13.4	60.0	72.8	95.9	13.4	20.376444	-102.115194
Lim. Edos. Term. Mich. Ppia. Jal.	102.10																	
Degollado	105.40	1	0	6205	71.2	81.7	96.9	11.8	67.2	75.4	89.4	10.5	65.2	76.2	93.5	12.5	20.431238	-102.129016

MICHOACAN

6 C A R R : Irapuato - Zapotlanejo

CLAVE: 00114

RUTA: MEX-090

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
Ayotlán	134.00	1	0	7333	85.2	97.2	122.7	13.2	81.9	92.8	135.8	14.0	84.8	95.9	132.0	13.4	20.511580	-102.325725
Atotonilco El Alto	157.00	1	0	5627	76.7	87.5	104.8	12.1	67.3	79.7	93.5	12.6	67.9	81.7	100.4	14.5	20.565518	-102.453031
Atotonilco El Alto	157.00	3	1	8795	37.2	41.5	53.1	6.4	35.5	38.7	50.2	5.0	34.8	39.2	52.3	6.0	20.543331	-102.527297
Atotonilco El Alto	157.00	3	2	8565	33.7	34.6	45.0	4.9	33.6	34.4	49.5	5.0	33.0	34.5	50.3	5.9	20.543330	-102.527296
X. C. San Miguel El Alto - La Barca	158.60	3	0	11116	74.1	82.7	99.9	10.1	68.6	76.1	84.8	9.7	69.9	78.8	94.4	10.9	20.539857	-102.536949
T. Izq. Ocotlán	188.00	1	0	9619	78.6	89.2	106.9	12.0	70.7	79.4	90.4	10.2	72.7	82.8	102.5	11.9	20.547876	-102.778301
T. Der. Libramiento Zapotlanejo	215.80	1	0	10506	49.8	57.2	73.6	9.8	45.9	52.7	64.8	8.7	43.8	52.2	70.9	10.2	20.621810	-103.043688
T. Der. Libramiento Zapotlanejo	215.80	3	1	6552	91.5	109.0	130.1	18.5	92.8	102.2	114.7	11.4	92.7	104.9	124.4	13.5	20.622228	-103.056881
T. Der. Libramiento Zapotlanejo	215.80	3	2	6283	87.5	104.7	124.6	18.5	88.3	97.3	111.2	11.6	89.4	101.3	122.7	13.2	20.622229	-103.056883
Zapotlanejo	217.60																	

7 C A R R : Jiquilpan - Colima

CLAVE: 00156

RUTA: MEX-110

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
Jiquilpan	0.00	3	0	5147	67.7	80.2	104.9	13.3	63.9	88.0	104.2	19.5	55.5	78.6	104.5	16.7	19.995634	-102.745043
San José de Gracia	37.93	1	0	4465	78.7	90.4	109.9	12.8	75.4	84.6	102.5	10.8	71.9	84.1	103.2	13.7	19.998611	-103.018250
Lim. Edos. Term. Mich. Ppia. Jal.	41.00																	
Mazamitla	48.65	1	0	3277	47.9	53.4	107.9	10.8	44.2	51.3	54.6	9.0	45.9	52.4	58.1	9.5	19.938072	-103.015125
Mazamitla	48.65	3	0	3770	35.5	43.0	54.5	9.2	51.3	53.1	54.8	5.9	37.7	47.9	54.1	10.1	19.923676	-103.049087
T. Izq. Tamazula de Gordiano (2º Acceso)	96.70	3	0	7420	35.3	42.8	54.9	9.2	44.8	51.9	54.6	9.9	36.0	44.5	53.8	9.3	19.682836	-103.262444
T. Der. Cd. Guzmán	108.50	3	0	3261	68.6	79.4	96.4	12.0	58.7	62.9	78.7	6.4	64.5	75.1	93.6	12.2	19.644550	-103.335436
Tecalitlán	132.00	3	0	2392	65.5	79.2	98.3	13.7	62.2	73.3	89.9	11.9	59.4	70.4	91.5	11.4	19.462068	-103.319576
T. Der. Atenquique	137.67	3	0	1383	46.1	52.1	66.2	7.9	44.7	51.5	54.7	8.9	46.7	52.6	55.0	9.7	19.457551	-103.347646
Pihuamo	168.19	3	0	2453	36.3	41.7	52.4	7.1	35.6	43.8	53.5	7.9	33.0	40.0	52.6	8.7	19.253513	-103.385120
Lim. Edos. Term. Jal. Ppia. Col.	189.60																	
T. Der. Estación Alzada	198.60	3	0	1707	75.3	85.9	103.5	11.7	71.1	82.6	115.0	14.4	67.5	80.5	108.1	14.3	19.161000	-103.529389
T. Izq. Los Tepames	214.20	1	0	2096	57.6	65.9	83.7	10.4	56.1	56.7	97.8	7.5	57.3	67.9	96.6	11.6	19.174972	-103.657417
X. C. Libramiento de Colima	220.00	1	0	7068	47.9	56.6	76.8	10.9	50.5	63.8	92.4	15.2	46.7	56.9	89.8	14.0	19.210778	-103.721056
Colima	222.00	1	1	10745	65.2	74.9	93.0	11.3	63.7	74.8	94.2	12.6	62.1	74.3	95.6	13.3	19.217363	-103.722090
Colima	222.00	1	2	10668	65.2	75.0	93.0	11.4	63.8	75.0	94.1	12.6	62.2	74.4	97.0	13.4	19.217363	-103.722094

MICHOACAN

8 C A R R : Jiquilpan - Guadalajara

CLAVE: 00429

ruta: MEX-015

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
Jiquilpan	0.00	3	1	9950	64.2	74.2	89.0	11.5	61.1	72.0	86.5	12.5	57.2	69.7	84.0	12.4	20.003250	-102.717222
Jiquilpan	0.00	3	2	9748	66.1	73.9	88.3	9.8	58.6	67.2	81.1	10.7	58.9	68.2	82.8	10.9	20.003250	-102.717222
Sahuayo	7.00	1	1	10574	65.2	73.9	89.4	10.2	60.5	70.4	83.7	11.0	58.4	69.8	84.9	12.1	20.033222	-102.716694
Sahuayo	7.00	1	2	10478	65.1	73.8	89.4	10.2	60.3	70.3	84.0	11.1	58.1	69.3	84.8	11.9	20.033222	-102.716694
Cojumatlán de Regules	25.94	3	0	4274	64.7	73.8	88.0	10.7	60.9	68.5	80.0	9.2	58.4	66.9	82.8	9.9	20.125083	-102.851139
Lim. Edos. Term. Mich. Ppia. Jal.	36.11																	
Tuxcueca	65.29	1	0	3293	95.2	109.6	128.5	14.6	83.4	95.9	104.4	14.4	82.1	93.5	110.9	13.6	20.149627	-103.181438
T. Der. Jocotepec	98.22	1	0	7036	96.7	114.8	135.8	17.7	86.8	100.6	113.4	15.4	86.0	100.0	122.3	15.2	20.275190	-103.445784
Ent. Santa Cruz	118.96	1	0	7960	98.3	115.5	136.5	17.0	91.8	102.9	120.9	13.4	88.1	100.7	123.3	14.3	20.420130	-103.550682
Ent. Santa Cruz	118.96	3	1	16407	97.5	113.6	134.0	15.9	93.4	102.9	124.6	11.9	89.0	99.3	123.3	12.5	20.435473	-103.547495
Ent. Santa Cruz	118.96	3	2	16768	99.2	117.7	138.4	17.8	96.3	105.9	131.2	12.8	91.7	103.8	129.3	14.2	20.435388	-103.548111
X. Periférico de Guadalajara (Baja)	140.00	1	1	18481	39.4	45.0	58.9	9.0	41.4	48.9	54.4	8.9	39.2	50.6	55.0	12.6	20.605703	-103.432739
X. Periférico de Guadalajara (Alta)	140.00	1	1	35711	61.2	69.0	81.7	9.9	56.5	62.8	75.1	8.1	48.3	58.7	73.0	11.8	20.605706	-103.432739
X. Periférico de Guadalajara (Baja)	140.00	1	2	22399	38.2	43.3	54.6	8.1	39.7	44.1	65.9	9.1	39.3	50.7	54.8	12.9	20.605768	-103.432939
X. Periférico de Guadalajara (Alta)	140.00	1	2	36810	63.8	71.8	83.8	9.6	58.7	65.7	80.5	9.3	52.0	63.2	80.1	12.1	20.605761	-103.432930
T. C. Guadalajara - Tepic	166.00																	

9 C A R R : La Noria - Acámbaro

CLAVE: 00131

ruta: MEX-120

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 Noria	0.00	3	0	5688	56.5	63.8	79.7	9.3	50.7	57.4	73.5	9.5	51.4	54.5	70.7	8.1	20.438776	-100.074063
Amealco	34.66	1	0	4282	64.3	76.1	97.7	12.4	60.2	69.9	83.2	10.0	61.9	74.7	101.0	14.1	20.198657	-100.149932
Amealco	34.66	3	0	4679	59.1	70.5	88.4	12.7	55.6	54.6	68.4	2.9	56.3	65.5	86.8	11.2	20.187394	-100.152376
Lim. Edos. Term. Qro. Ppia. Mich.	39.15																	
Lim. Edos. Term. Mich. Ppia. Gto.	55.90																	
Coroneo	59.35	3	0	1887	59.3	71.5	90.5	13.1	60.2	69.8	81.3	10.4	57.3	68.2	85.0	11.6	20.196257	-100.370631
Jerécuaro	79.70	3	0	4339	57.5	66.2	85.1	11.0	55.8	60.4	73.2	6.1	54.3	61.7	79.0	9.1	20.142885	-100.533816
Acámbaro	111.12	1	0	7337	52.8	60.3	74.5	9.1	53.7	53.5	57.5	2.8	51.2	59.7	79.4	11.0	20.046366	-100.707102

10 C A R R : La Orilla - Las Truchas

CLAVE: 16557

ruta: MEX-200

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. Zihuatanejo - La Mira	0.00	3	0	13095	49.3	53.9	66.1	7.8	38.9	44.4	53.6	7.7	35.5	42.9	54.1	8.0	17.992858	-102.232271

MICHOACAN

10 C A R R : La Orilla - Las Truchas

CLAVE: 16557

RUTA: MEX-200

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
Lazáro Cárdenas	5.50	1	0	4320	75.5	83.7	98.0	9.4	72.9	82.0	94.1	10.3	67.3	77.5	92.1	10.8	17.961746	-102.219573
Las Truchas	9.00	1	0	5532	49.8	53.0	63.4	6.5	47.9	49.9	62.5	5.5	49.3	52.3	58.9	6.1	17.949726	-102.189790

11 C A R R : La Piedad - Carapan

CLAVE: 16476

RUTA: MEX-037

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 Piedad	0.00	3	1	8153	75.6	87.6	103.3	12.8	69.4	79.9	96.6	12.0	71.0	82.8	108.8	13.6	20.313417	-102.012306
La Piedad	0.00	3	2	8031	77.4	90.9	107.9	14.3	69.5	82.8	97.5	13.7	70.0	84.5	104.3	15.5	20.313417	-102.012306
T. Izq. Puruándiro	24.45	3	0	2464	82.0	94.7	117.3	14.5	63.7	78.3	93.4	12.1	68.8	84.2	104.9	16.2	20.169306	-102.010806
Purépero	64.00	1	0	4647	63.5	70.2	80.2	8.1	53.6	54.8	82.8	7.3	54.2	61.3	83.7	9.2	19.923667	-102.032389
T. C. Morelia - Jiquilpan	72.61	1	0	4012	82.9	93.3	113.5	11.9	71.0	81.3	93.0	11.8	75.0	85.2	107.3	12.2	19.849139	-102.000722

12 C A R R : Libramiento Oriente de Zamora

CLAVE:

RUTA: MEX-015

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. Morelia - Jiquilpan	0.00	3	0	10309	65.8	79.5	99.1	13.8	63.7	76.9	96.3	13.7	57.7	68.8	91.7	11.2	19.966472	-102.260056
T. Izq. Zamora	7.25	3	0	8543	59.4	69.5	84.8	11.7	56.1	63.2	74.4	8.4	53.1	59.8	74.5	9.0	20.008583	-102.236528
T. Der. Atecucario de La Constitución	9.91	3	0	8053	54.6	62.7	81.4	9.4	47.1	53.6	65.8	9.0	47.8	54.4	75.0	10.4	20.021333	-102.254806
T. C. Zamora - Vista Hermosa	14.70	1	0	9147	71.8	83.5	105.4	13.0	69.6	81.0	100.3	12.1	67.6	78.9	106.6	12.9	20.033833	-102.274833

13 C A R R : Maravatío - Acámbaro

CLAVE: 00418

RUTA: MEX-061

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
Maravatío	0.00	3	0	8341	47.1	60.9	78.9	13.7	48.3	54.2	65.0	10.3	42.7	55.3	75.4	14.2	19.912044	-100.461165
Lim. Edos. Term. Mich. Ppia. Gto.	9.00																	
Tarandacuao	13.00	3	0	4637	76.8	86.5	103.3	11.4	65.8	74.8	87.4	10.1	69.6	81.1	99.4	12.6	20.015363	-100.541822
Acámbaro	39.00	1	0	6610	66.1	74.8	92.0	10.5	61.7	68.1	78.7	7.9	61.4	71.8	91.4	12.2	20.035644	-100.695089

MICHOACAN

14 C A R R : Morelia - Jiquilpan

CLAVE: 16029

RUTA: MEX-015

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
Morelia	0.00																	
T. Izq. Periférico de Morelia	3.10	3	1	21552	54.0	65.5	83.6	12.5	42.7	51.1	71.0	10.3	44.0	52.7	71.3	10.7	19.696389	-101.263111
T. Izq. Periférico de Morelia	3.10	3	2	22238	62.1	73.5	92.9	12.9	47.4	54.2	80.3	10.2	47.4	58.0	80.8	12.7	19.696389	-101.263111
T. Izq. Lagunillas	24.90	1	0	6737	71.9	79.6	94.7	9.6	65.0	71.0	81.6	7.0	66.1	74.0	92.5	10.2	19.634056	-101.414639
T. Izq. Lagunillas	24.90	3	0	6006	66.2	79.8	98.8	13.8	59.6	65.7	83.1	7.7	60.2	72.9	93.8	13.1	19.632889	-101.418611
T. Izq. Libramiento de Quiroga	40.95	1	0	4521	56.1	63.9	79.0	9.8	54.3	54.5	105.8	7.0	51.7	59.2	74.9	10.1	19.668778	-101.533500
T. Izq. Libramiento de Quiroga	40.95	3	0	6708	71.2	82.5	101.1	12.4	64.4	73.4	86.5	9.9	66.7	77.7	96.2	12.1	19.668861	-101.536917
Comanja	64.44	1	0	3887	86.3	99.5	122.3	13.8	77.5	93.7	120.3	17.1	81.3	98.7	134.3	17.7	19.747417	-101.683778
Comanja	64.44	3	0	5468	65.7	73.1	86.0	9.0	56.8	61.4	73.3	6.9	56.5	63.8	81.7	9.5	19.749028	-101.693694
T. Der. Zacapu y Villachuato	77.10	1	0	11735	48.9	53.5	64.3	7.7	47.2	51.5	54.6	6.7	45.5	51.2	70.2	8.5	19.803083	-101.778361
T. Der. Zacapu y Villachuato	77.10	3	0	5691	68.2	80.2	95.6	12.9	61.9	68.5	74.7	7.8	62.6	73.0	90.5	12.1	19.819111	-101.806333
T. Der. La Piedad	105.02	1	0	3783	77.6	89.3	110.2	12.6	64.3	73.3	94.0	10.0	69.3	83.0	106.7	14.5	19.846139	-101.997278
T. Der. La Piedad	105.02	3	0	5895	80.0	93.7	114.4	14.1	70.8	87.4	105.9	14.4	72.5	89.8	115.3	16.1	19.847472	-102.006917
Santo Tomas	115.00	1	0	10530	62.9	70.7	85.1	9.5	60.5	66.7	77.4	8.4	58.9	66.3	84.2	10.6	19.843194	-102.082944
Santo Tomas	115.00	3	0	12638	54.9	61.6	75.0	8.0	52.6	57.3	71.0	7.6	51.0	56.6	74.0	9.6	19.844111	-102.089583
T. Der. Etucuario	123.50	1	0	8634	64.1	70.0	83.5	7.5	59.0	64.8	75.3	7.6	58.7	65.2	83.1	9.1	19.859917	-102.153417
T. Der. Etucuario	123.50	3	0	8719	71.6	79.6	93.8	9.7	66.4	72.3	82.8	8.1	66.7	74.6	89.8	10.4	19.859472	-102.160306
T. Izq. Tangancicuaro	131.20	1	0	11007	79.8	88.7	104.4	10.7	77.0	86.0	99.2	10.5	74.5	83.9	102.5	11.3	19.880444	-102.199139
T. Izq. Tangancicuaro	131.20	3	0	14079	71.1	79.5	95.1	10.1	68.9	74.8	85.4	9.0	68.7	75.1	92.7	10.0	19.901028	-102.203083
T. Izq. Libramiento Sur de Zamora	139.50	1	1	9614	76.0	89.0	113.5	13.9	78.1	90.2	104.0	12.8	76.3	90.2	113.9	14.6	19.947194	-102.247806
T. Izq. Libramiento Sur de Zamora	139.50	1	2	9995	58.4	63.5	74.9	8.1	53.9	58.6	68.1	6.8	54.1	59.4	70.2	7.1	19.947194	-102.247806
Zamora	144.44	1	1	10301	58.1	62.8	74.1	7.4	57.3	62.8	74.7	7.8	55.1	59.7	72.9	6.0	19.971694	-102.267528
Zamora	144.44	1	2	9811	59.3	68.9	86.8	11.2	50.7	59.9	77.7	10.6	53.4	62.6	83.2	10.7	19.971694	-102.267528
Jacona	148.60	3	0	9194	64.3	73.7	91.2	10.8	58.2	68.4	83.4	11.5	58.5	69.0	86.0	12.2	19.960192	-102.340423
Tangamandapio	163.00	1	0	5805	84.4	95.6	114.5	12.4	79.2	90.2	124.1	13.2	76.0	89.6	115.2	14.5	19.956611	-102.410861
Tangamandapio	163.00	3	0	5599	62.6	70.5	83.9	9.6	54.7	62.6	78.4	9.2	54.0	62.1	81.2	9.9	19.970472	-102.445056
T. Der. Villa Mar	186.20	1	0	3840	70.7	78.6	91.6	9.8	68.3	75.4	84.6	9.6	65.0	74.2	84.8	10.3	20.024611	-102.587500
Emiliano Zapata	190.34	3	0	5664	61.4	70.0	83.6	10.1	58.4	66.5	82.0	10.1	57.0	66.5	82.4	10.9	19.982667	-102.614500
T. Der. Libramiento de Jiquilpan	200.00	1	0	10806	68.9	78.4	98.7	11.3	64.6	72.7	90.5	9.6	63.8	71.9	93.5	10.2	19.985222	-102.693472
Jiquilpan	203.40																	

MICHOACAN

15 C A R R : Morelia - Pátzcuaro

CLAVE: 16009

RUTA: MEX-014

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. Morelia - Jiquilpan	0.00																	
X. Periférico de Morelia	3.00	3	1	21400	69.4	77.0	90.3	10.2	60.3	72.3	85.1	14.6	55.0	70.9	85.1	16.3	19.669250	-101.223194
X. Periférico de Morelia	3.00	3	2	19215	69.4	77.4	91.0	10.5	57.6	74.8	93.2	18.3	51.1	73.0	94.5	20.9	19.669250	-101.223194
Tiripetío	25.00	3	1	10464	71.6	82.5	100.1	12.2	62.0	74.8	93.6	14.2	59.5	73.2	95.9	13.8	19.551306	-101.373944
Tiripetío	25.00	3	2	10223	71.1	82.6	100.3	12.8	57.5	74.4	91.8	17.3	49.8	71.6	94.5	20.8	19.551306	-101.373944
Huiramba	37.00	1	1	10547	82.0	90.4	102.3	9.9	75.4	80.6	88.2	6.5	73.0	80.6	93.2	9.3	19.550611	-101.431361
Huiramba	37.00	1	2	11091	90.5	102.5	116.5	13.6	84.3	92.7	104.8	10.1	77.4	90.5	105.9	14.7	19.550611	-101.431361
Tzurumútaró	50.70	1	1	5637	66.9	80.7	102.3	14.5	57.1	64.5	79.8	9.7	56.8	68.1	91.8	12.7	19.542272	-101.582513
Tzurumútaró	50.70	1	2	5637	64.1	74.5	106.8	12.9	54.4	61.9	74.5	8.7	55.9	65.7	97.1	11.9	19.542271	-101.582513

16 C A R R : Morelia - Salamanca

CLAVE: 00124

RUTA: MEX-043

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
Morelia	0.00																	
X. Periférico de Morelia	2.70	3	1	32352	70.5	76.2	86.7	9.1	64.5	73.3	85.5	10.7	64.3	73.1	84.6	10.7	19.744304	-101.175000
X. Periférico de Morelia	2.70	3	2	30305	69.0	80.2	95.9	12.0	65.4	77.6	93.5	12.7	62.5	71.4	88.7	10.9	19.744304	-101.174996
T. Der. Zinapécuaro	8.85	1	1	23081	83.2	94.5	112.4	13.0	88.1	103.9	134.1	14.9	82.8	94.7	131.9	14.4	19.766000	-101.160583
T. Der. Zinapécuaro	8.85	1	2	26591	83.3	94.7	112.6	13.0	78.6	91.1	119.8	14.7	70.4	85.6	110.7	16.6	19.766000	-101.160583
T. Der. Zinapécuaro	8.85	3	1	14721	91.4	99.7	113.8	10.2	87.8	97.6	108.7	11.5	85.5	94.3	109.5	10.6	19.773000	-101.156889
T. Der. Zinapécuaro	8.85	3	2	14491	86.9	96.6	113.8	10.7	80.1	88.3	103.5	12.1	78.9	84.5	103.0	11.4	19.773000	-101.156889
Cuitzeo	33.64	1	0	9220	77.7	85.2	103.5	10.3	73.4	80.4	92.7	8.5	70.8	79.1	93.7	10.4	19.956194	-101.136056
Cuitzeo	33.64	3	0	8266	82.8	94.7	116.0	13.0	77.3	86.3	103.2	10.8	75.2	84.3	105.5	11.1	19.980278	-101.144000
Lim. Edos. Term. Mich. Ppia. Gto.	46.10																	
T. Izq. Moreleón	52.36	1	1	8115	70.3	82.0	104.9	13.9	67.2	77.0	103.7	12.9	62.7	74.4	92.1	12.7	20.100417	-101.161083
T. Izq. Moreleón	52.36	1	2	8373	77.1	87.5	104.6	12.0	74.2	83.6	98.5	10.9	69.5	83.2	101.5	14.6	20.100417	-101.161083
Uriangato	54.22	3	1	4419	70.6	78.5	93.7	10.0	65.5	72.1	83.0	8.0	65.4	72.5	88.5	8.9	20.165472	-101.158583
Uriangato	54.22	3	2	4414	70.3	80.9	95.0	11.2	80.3	92.6	106.3	13.5	81.7	95.3	119.7	15.1	20.165472	-101.158583
T. Der. Yuriria	61.36	3	0	8766	64.1	73.9	92.8	11.5	57.8	65.3	80.1	8.8	55.2	66.9	84.3	11.6	20.198806	-101.155083
Magdalena de Araceo	77.10	1	0	4884	73.9	85.1	100.8	12.4	64.8	77.0	91.5	12.0	59.4	74.3	90.9	14.9	20.302528	-101.181611
Magdalena de Araceo	77.10	3	0	5788	50.8	57.7	71.1	9.3	44.8	52.5	63.5	9.0	43.6	52.1	64.8	10.8	20.313833	-101.182722
T. Der. Jaral del Progreso	87.00	1	0	7831	73.0	82.5	98.4	11.0	68.3	77.9	93.1	11.5	64.7	76.6	93.3	13.2	20.358667	-101.188528
T. Der. Jaral del Progreso	87.00	3	0	7472	69.4	80.1	98.2	12.0	71.6	85.2	110.5	14.6	65.9	84.0	111.1	17.6	20.384222	-101.184250
X. C. Libramiento de Salamanca	105.10	1	0	24528	46.4	50.8	59.5	6.2	43.3	46.2	56.2	6.9	45.6	51.0	84.1	9.2	20.539222	-101.205278
Salamanca	107.95	1	1	14816	57.0	66.3	83.7	11.1	53.9	64.6	86.7	12.7	51.1	64.2	89.9	15.0	20.544583	-101.204361

MICHOACAN

16 C A R R : Morelia - Salamanca

CLAVE: 00124

RUTA: MEX-043

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
Salamanca	107.95	1	2	14517	55.6	63.5	77.9	9.4	49.4	56.2	69.8	9.7	49.8	55.0	71.4	9.7	20.544583	-101.204361

17 C A R R : Pátzcuaro - Uruapan

CLAVE: 16484

RUTA: MEX-014

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
Pátzcuaro	0.00	3	0	6315	70.0	80.9	96.3	12.4	68.2	74.8	88.3	9.5	65.9	74.6	91.7	10.8	19.532431	-101.622285
T. Izq. Zirahuén	17.05	1	0	5936	65.4	72.5	84.3	8.6	61.1	67.6	74.9	8.2	59.8	67.7	82.5	10.0	19.483972	-101.737556
Tingambato	35.77	1	0	5768	73.4	84.7	102.9	13.3	65.8	73.5	92.1	10.3	65.9	80.2	100.5	14.5	19.502139	-101.843083
Tingambato	35.77	3	0	4888	78.7	97.1	122.2	18.0	68.9	90.0	109.7	16.1	73.3	95.3	122.4	19.3	19.506500	-101.860694
T. Izq. Libramiento de Uruapan	60.05	1	1	7830	54.3	59.5	71.3	6.8	52.1	53.3	60.4	4.7	50.4	54.9	65.2	8.5	19.433028	-102.023194
T. Izq. Libramiento de Uruapan	60.05	1	2	7762	57.9	63.9	78.2	8.8	53.0	53.6	61.0	4.0	50.4	60.1	75.3	12.0	19.433028	-102.023194
Uruapan	62.60	1	1	17204	57.5	62.7	73.8	7.6	55.2	59.8	64.9	5.7	55.0	60.0	68.1	6.0	19.430722	-102.027833
Uruapan	62.60	1	2	16963	47.4	52.3	62.6	7.1	42.1	45.9	53.9	6.8	41.7	45.8	54.0	7.2	19.430722	-102.027833

18 C A R R : Quiroga - Tepalcatepec

CLAVE: 16125

RUTA: MEX-120

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
Quiroga	0.00	3	0	6507	57.1	64.7	79.6	10.1	56.4	63.3	81.4	9.5	53.8	62.0	79.9	10.2	19.656528	-101.528056
Tzintzuntzán	7.50	1	1	2899	51.3	57.6	70.7	8.8	51.6	53.0	58.0	5.3	47.4	53.0	64.3	8.6	19.631250	-101.571750
Tzintzuntzán	7.50	1	2	2820	56.9	65.2	81.4	10.7	55.5	54.1	63.6	1.6	53.6	61.7	76.8	9.8	19.631250	-101.571750
Tzintzuntzán	7.50	3	0	4489	63.8	70.7	82.8	8.3	58.7	62.6	73.4	5.9	58.0	66.2	80.6	10.1	19.616750	-101.576556
Zurumútar	19.00	3	0	15718	65.9	73.7	91.3	9.3	63.8	70.9	82.7	8.2	63.2	71.7	88.2	9.8	19.545252	-101.590031
X. C. Pátzcuaro - Uruapan (Cuota)	28.42	1	1	7272	46.2	55.0	67.8	11.3	50.2	52.8	57.1	6.2	33.3	50.0	63.7	15.8	19.497046	-101.599638
X. C. Pátzcuaro - Uruapan (Cuota)	28.42	1	2	7918	53.3	64.3	79.9	13.0	56.4	60.0	67.9	5.2	44.4	60.1	73.5	16.6	19.497046	-101.599638
X. C. Pátzcuaro - Uruapan (Cuota)	28.42	3	0	7532	67.6	77.1	92.3	11.1	57.1	65.7	78.4	9.4	56.3	67.1	83.1	10.8	19.492479	-101.588275
Opopeo	40.04	1	0	7682	57.8	64.5	82.7	9.7	53.1	53.9	63.2	4.5	53.1	59.8	81.1	9.8	19.425602	-101.604630
Opopeo	40.04	3	0	7185	63.4	70.8	84.4	9.0	56.5	54.9	64.4	2.6	60.1	67.5	83.1	10.0	19.412422	-101.614239
Ario de Rosales	72.50	1	0	5792	65.5	74.7	91.3	10.9	60.1	67.8	80.1	8.9	60.6	71.9	88.3	12.4	19.211984	-101.688652
Ario de Rosales	72.50	3	0	3562	59.7	68.2	82.6	10.3	55.1	62.9	76.9	8.5	55.8	64.2	82.8	10.6	19.206568	-101.718603
La Huacana	123.20	3	0	2481	69.8	82.3	99.3	13.4	62.9	72.4	99.5	11.2	61.1	71.0	99.4	11.0	18.949074	-101.826685
X. C. Carapan - Playa Azul	170.00	1	1	3947	63.5	72.9	88.4	10.5	57.1	58.4	70.9	4.2	55.8	55.9	70.4	3.8	18.991444	-102.101694
X. C. Carapan - Playa Azul	170.00	1	2	4098	62.0	72.6	89.2	12.0	56.9	65.4	83.5	12.1	56.3	70.8	88.8	15.4	18.991444	-102.101694
X. C. Carapan - Playa Azul	170.00	3	1	5749	74.5	82.7	94.7	9.6	67.4	74.1	83.9	8.7	67.2	77.2	93.4	11.5	18.991694	-102.111167

MICHOACAN

18 C A R R : Quiroga - Tepalcatepec

CLAVE: 16125

RUTA: MEX-120

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. Carapan - Playa Azul	170.00	3	2	5850	76.1	86.8	102.3	11.9	66.5	74.9	84.9	9.8	70.1	81.5	98.6	12.7	18.991694	-102.111167
Apatzingán	200.90	1	1	7406	66.7	76.6	93.2	11.3	58.5	66.6	78.2	9.5	58.7	68.9	87.6	11.5	19.062667	-102.329556
Apatzingán	200.90	1	2	7254	65.4	73.0	86.1	9.1	57.9	63.0	73.0	7.4	57.0	64.5	81.1	9.6	19.062667	-102.329556
Apatzingán	200.90	3	0	9277	40.9	49.0	65.0	10.0	36.6	47.9	60.0	10.6	35.9	46.3	62.4	10.5	19.113639	-102.373583
Santa Ana Amatlán	223.50	1	0	5210	80.8	90.5	104.0	11.0	76.4	83.4	94.8	9.4	73.8	82.5	94.7	10.4	19.158722	-102.529944
Buenavista Tomatlán	233.90	3	0	6188	66.0	73.7	87.9	9.5	62.7	69.3	82.4	8.3	62.9	70.9	87.2	9.8	19.206694	-102.594528
Tepalcatepec	267.90																	

19 C A R R : Rinconada - La Piedad

CLAVE: 16243

RUTA: MEX-015

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. Zamora - Vista Hermosa	0.00	3	0	9524	55.4	63.8	80.0	10.0	52.0	59.0	71.2	9.1	49.5	57.4	73.6	10.6	20.042028	-102.283472
T. Der. Atecucario de La Constitución	4.30	1	0	8597	54.9	62.5	78.2	8.7	52.6	57.6	71.8	7.9	50.8	56.4	79.3	9.8	20.071139	-102.270333
T. Der. Atecucario de La Constitución	4.30	3	0	8985	83.6	95.2	117.3	13.1	76.3	90.7	138.0	16.2	79.9	94.8	136.2	16.8	20.088000	-102.265806
La Nopalera	9.50	1	0	7945	82.5	96.3	116.9	14.2	80.9	93.4	114.3	13.2	78.4	93.1	115.4	14.9	20.116056	-102.262278
La Nopalera	9.50	3	0	7208	68.4	75.2	89.0	9.7	64.9	71.0	81.5	7.3	63.2	71.2	83.8	9.6	20.121859	-102.262227
T. Der. Ecuandureo (1º Acceso)	18.40	1	0	8417	51.9	60.5	74.7	10.3	47.9	52.9	64.1	8.1	46.8	53.9	72.6	10.1	20.162139	-102.201889
Ecuandureo	20.50	1	0	7405	66.2	75.6	95.6	11.3	60.2	67.6	84.6	9.6	60.4	69.4	94.4	11.6	20.164250	-102.198389
Ecuandureo	20.50	3	0	5861	83.9	94.8	123.5	13.3	81.5	93.1	120.1	13.9	77.1	89.8	121.2	14.1	20.181361	-102.187333
Quiringüicharo	24.00	3	0	5224	64.9	72.1	83.3	8.5	61.6	69.2	93.9	10.8	58.0	65.4	91.8	10.8	20.219861	-102.161278
El Algodonal	34.00	3	0	4187	84.3	96.4	114.8	13.0	80.9	95.0	118.4	15.7	81.5	95.0	124.7	15.5	20.251848	-102.100220
T. Izq. Guadalajara (libre)	44.80	1	0	5812	54.9	64.8	81.2	11.1	48.5	59.1	72.0	12.3	48.3	61.0	74.7	14.0	20.322167	-102.032028
T. C. La Piedad - Carapan	46.40	1	0	8084	50.2	57.5	72.6	9.6	46.0	53.3	66.7	9.3	44.5	52.7	70.3	9.9	20.326333	-102.021361

20 C A R R : T. C. (Zihuatanejo - La Mira) - Lázaro Cárdenas

CLAVE: 16421

RUTA: MEX-200

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. Zihuatanejo - La Mira	0.00	3	1	21708	66.2	74.7	89.8	10.6	63.3	71.1	81.5	9.0	60.8	71.0	84.8	11.5	17.990762	-102.221227
T. C. Zihuatanejo - La Mira	0.00	3	2	20895	66.0	74.4	89.5	10.4	63.6	71.0	80.8	8.6	60.1	70.2	84.6	11.3	17.990743	-102.221376
Lázaro Cárdenas	6.00	1	1	17174	61.1	67.5	81.2	9.0	57.7	62.7	72.9	6.9	58.2	64.6	80.3	9.5	17.970918	-102.205560
Lázaro Cárdenas	6.00	1	2	16051	52.3	59.3	73.7	8.9	48.6	53.9	65.1	8.4	48.7	55.7	72.7	9.9	17.970918	-102.205559

MICHOACAN

21 C A R R : Toluca - Cd. Altamirano

CLAVE: 00020

RUTA: MEX-134

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. Toluca - Axixintla	0.00																	
T. Izq. Capultitlán	1.78	3	1	14136	82.5	95.6	114.2	14.6	71.7	84.2	94.3	12.8	71.1	89.7	110.2	18.4	19.256768	-99.685592
T. Izq. Capultitlán	1.78	3	2	14084	78.6	90.0	105.5	12.7	68.4	79.9	92.7	12.4	69.1	83.8	102.7	15.8	19.256862	-99.685616
T. Der. Zinacatepec	10.21	3	1	10873	69.4	84.0	105.6	15.1	72.4	90.0	141.6	19.9	69.6	84.8	140.0	18.3	19.251978	-99.747900
T. Der. Zinacatepec	10.21	3	2	10991	80.3	92.3	109.8	13.5	70.5	83.3	100.2	13.6	73.6	87.5	104.4	14.9	19.251979	-99.747900
T. Izq. Sultepec	18.72	3	0	6508	78.2	88.8	103.8	11.8	68.6	77.9	88.1	11.0	67.2	78.2	93.4	12.2	19.212217	-99.810788
T. Der. Valle de Bravo	52.00	3	0	5529	59.8	63.6	73.3	7.3	56.0	60.4	67.2	5.8	54.7	59.9	70.1	6.8	19.146611	-99.915938
Temascaltepec	68.76	1	0	4433	49.9	53.2	62.5	6.6	46.3	50.0	54.5	5.2	44.7	50.3	56.5	7.3	19.048722	-100.048554
Temascaltepec	68.76	3	0	4780	60.7	68.4	82.0	9.7	54.9	59.7	69.7	5.9	52.8	61.1	74.2	10.2	19.041538	-100.051492
T. Izq. San Diego Cuentla	84.34	3	0	4975	66.0	83.8	94.7	17.9	67.4	93.3	109.3	17.5	70.8	99.2	121.8	23.6	18.970082	-100.073638
Tejupilco de Hidalgo	100.76	1	0	5210	56.2	61.9	72.7	7.5	51.0	54.0	63.7	7.1	49.0	54.7	69.4	9.8	18.923311	-100.147314
Tejupilco de Hidalgo	100.76	3	0	4879	44.7	50.1	61.2	6.7	45.4	51.3	54.8	7.6	43.6	50.7	59.3	8.9	18.903260	-100.162949
Cuadrilla de López	113.20	3	0	2299	62.4	67.8	79.4	7.8	56.1	60.6	68.8	6.0	55.0	60.5	73.0	6.7	18.874529	-100.227861
T. Izq. Bejucos	147.57	1	0	1236	60.5	73.5	91.1	13.9	58.0	67.5	79.6	10.2	55.2	63.4	81.0	9.0	18.784806	-100.421220
Lim. Edos. Term. Mex. Ppia. Gro.	148.00																	
Cutzamala	196.00	1	0	2376	72.9	83.4	102.3	11.9	70.9	80.8	94.6	11.3	70.5	81.6	99.7	12.3	18.478937	-100.582290
Lim. Edos. Term. Gro. Ppia. Mich.	201.00																	
Lim. Edos. Term. Mich. Ppia. Gro.	210.30																	
Cd. Altamirano	216.00	1	0	3512	59.0	70.0	87.7	12.0	58.0	64.2	74.7	7.6	55.3	65.2	85.2	11.5	18.382066	-100.651579

22 C A R R : Toluca - Morelia

CLAVE: 00448

RUTA: MEX-015

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
Toluca	0.00																	
X. C. Libramiento de Toluca	1.00	3	1	36205	62.1	70.5	84.4	9.9	60.1	69.8	84.5	10.9	57.3	65.1	82.6	10.0	19.287855	-99.685636
X. C. Libramiento de Toluca	1.00	3	2	37765	55.6	63.3	77.1	9.3	50.4	57.7	72.8	9.6	45.0	53.6	70.7	12.3	19.287847	-99.685663
T. Der. Almoloya de Juárez	4.70	3	1	24158	71.7	80.9	96.6	10.7	64.7	74.4	89.9	11.1	64.5	74.3	91.9	11.2	19.295023	-99.729681
T. Der. Almoloya de Juárez	4.70	3	2	24529	57.7	68.6	84.4	11.9	48.2	59.9	76.2	12.8	47.9	58.2	74.9	12.6	19.295023	-99.729680
T. Izq. Valle de Bravo	7.50	3	1	9844	92.7	104.5	123.3	13.5	84.3	98.2	114.1	14.7	81.9	97.8	114.9	16.5	19.309945	-99.755950
T. Izq. Valle de Bravo	7.50	3	2	9920	91.2	103.6	122.5	13.8	83.0	95.7	111.5	13.7	81.9	95.9	113.8	15.0	19.309887	-99.755953
X. C. Toluca - Zitácuaro (Cuota)	20.30	1	0	20176	77.7	86.0	102.7	11.1	73.2	81.9	92.6	10.2	72.6	82.7	100.3	12.3	19.378167	-99.807678
X. C. Toluca - Zitácuaro (Cuota)	20.30	3	0	19789	70.0	77.8	91.2	10.0	67.1	73.2	83.3	8.5	67.4	74.9	91.2	10.9	19.387129	-99.807910
T. Der. Villa Victoria	46.39	1	0	15640	72.0	79.7	94.0	9.6	66.6	72.7	82.7	7.9	68.7	75.7	92.8	10.3	19.417905	-99.988937
T. Der. Villa Victoria	46.39	3	0	12697	79.1	87.5	103.2	10.6	68.3	79.8	88.7	12.3	75.9	84.5	101.0	11.0	19.417214	-100.006704

MICHOACAN

22 C A R R : Toluca - Morelia

CLAVE: 00448

RUTA: MEX-015

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. Valle de Bravo	54.40	1	0	11033	77.2	83.8	96.8	9.2	71.0	78.8	87.3	9.8	72.2	81.0	94.8	10.7	19.397858	-100.059856
T. Izq. Villa de Allende	64.08	1	0	12380	61.6	66.4	75.0	7.9	59.3	63.6	73.4	7.7	57.1	62.9	74.1	8.1	19.410589	-100.139071
T. Izq. Villa de Allende	64.08	3	0	5814	58.0	70.0	84.1	13.2	55.8	62.9	74.6	7.8	53.6	64.8	82.2	12.7	19.410752	-100.141545
Lim. Edos. Term. Mex. Ppia. Mich.	70.20																	
T. Der. Libramiento de Heroica Zitácuaro	92.80	1	1	6254	60.1	71.5	89.7	13.3	62.1	73.4	91.5	11.9	59.7	73.1	90.9	14.2	19.447344	-100.313203
T. Der. Libramiento de Heroica Zitácuaro	92.80	1	2	5722	66.6	79.3	94.3	13.6	61.5	70.3	81.1	9.2	55.4	69.3	84.1	13.9	19.447344	-100.313203
T. Der. Libramiento de Heroica Zitacuaro	92.80	3	0	15983	47.4	52.6	64.4	7.6	46.1	50.4	54.5	5.7	44.3	49.9	62.3	7.1	19.460192	-100.344636
T. Der. Anganguero	106.33	1	0	15166	59.1	65.6	81.3	9.4	57.8	62.6	72.9	7.1	56.8	63.5	76.4	8.8	19.489246	-100.369374
T. Der. Anganguero	106.33	3	0	11233	70.3	81.6	109.4	13.2	78.6	101.2	140.2	20.2	78.8	102.9	139.6	21.0	19.489320	-100.377517
T. Der. Zirahuato	108.00	3	0	7607	63.4	71.7	87.9	9.7	57.6	65.7	80.6	9.7	56.9	65.3	82.6	10.6	19.485893	-100.403419
T. Izq. Jungapeo	114.30	1	0	7683	51.3	62.6	81.6	12.6	60.9	74.0	101.0	14.4	55.8	69.5	96.3	14.4	19.482651	-100.442727
T. Izq. Jungapeo	114.30	3	0	6579	76.5	86.5	104.1	11.4	72.0	82.5	94.0	11.3	71.6	81.6	98.7	11.7	19.487502	-100.447452
Tuxpan	125.00	1	1	5019	41.0	47.3	58.0	9.0	38.8	43.5	53.1	7.1	37.5	44.3	54.2	8.7	19.551871	-100.471485
Tuxpan	125.00	1	2	5008	57.0	68.5	84.7	12.5	55.7	64.1	74.5	9.4	51.5	62.1	80.4	12.1	19.551870	-100.471486
Tuxpan	125.00	3	1	3917	55.2	63.5	78.3	9.5	54.2	53.9	61.8	2.5	50.8	57.3	72.0	9.3	19.581271	-100.466369
Tuxpan	125.00	3	2	4434	41.8	47.7	60.7	8.4	49.4	52.8	60.3	6.9	47.2	52.8	72.7	9.3	19.581269	-100.466369
Cd. Hidalgo	144.61	1	0	10189	64.3	73.7	90.3	10.9	61.2	70.6	84.5	10.5	58.6	69.0	84.8	11.6	19.673030	-100.519819
Cd. Hidalgo	144.61	3	0	13603	64.4	72.3	88.8	9.3	56.8	57.5	65.5	3.6	61.0	68.7	85.9	10.2	19.699542	-100.593741
T. Der. Huajúbaro	168.00	1	0	4484	60.4	67.0	82.3	9.2	54.0	59.1	70.6	6.9	53.2	60.4	74.1	9.0	19.671010	-100.738704
T. Der. Huajúbaro	168.00	3	0	995	60.6	74.1	107.0	14.4	49.3	52.4	54.7	6.5	50.9	57.5	80.0	10.1	19.669858	-100.741412
T. Izq. Tzitzio	188.30	1	0	656	57.1	64.6	81.4	10.3	45.3	51.8	54.8	8.8	52.3	54.5	65.0	6.7	19.652543	-100.953159
T. Der. de Los Triguillos	225.00	1	0	3015	73.2	83.7	101.2	11.7	65.0	74.4	84.9	9.8	64.5	75.8	93.3	12.0	19.685693	-101.035985
Periférico de Morelia	238.60	1	1	1986	53.4	58.8	70.5	7.3	44.7	50.6	60.2	7.2	47.4	52.9	63.7	8.2	19.694048	-101.146572
Periférico de Morelia	238.60	1	2	2052	62.0	70.1	84.4	9.7	52.9	54.6	64.4	5.6	55.8	62.3	81.7	8.0	19.694082	-101.146595
Morelia	240.10																	

23 C A R R : Zamora - Vista Hermosa

CLAVE: 16242

RUTA: MEX-035

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
Zamora	0.00	3	1	9764	63.8	71.4	83.7	9.2	56.4	64.4	82.0	10.1	55.0	64.0	80.9	10.4	20.015778	-102.281028
Zamora	0.00	3	2	10063	72.0	81.8	96.9	11.3	66.8	76.2	91.1	11.0	64.6	75.2	92.3	12.2	20.015778	-102.281028
T. Der. La Piedad	6.17	3	0	10886	53.7	60.9	73.8	8.7	50.7	55.7	69.3	8.7	49.0	54.9	72.4	10.0	20.040528	-102.285444
T. C. Patti - Sahuayo	43.30	1	0	7405	65.6	77.6	94.5	12.5	58.1	69.4	84.4	12.0	55.4	68.8	86.8	13.4	20.260861	-102.475528

MICHOACAN

24 C A R R : Zihuatanejo - La Mira

CLAVE: 00121

RUTA: MEX-200

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
Zihuatanejo	0.00	3	1	13049	69.2	78.3	92.9	10.9	57.1	63.7	77.6	8.8	58.3	66.2	82.0	9.8	17.659207	-101.560899
Zihuatanejo	0.00	3	2	13257	69.1	78.4	93.0	11.0	57.0	63.6	78.1	8.8	58.0	65.6	82.1	9.7	17.659213	-101.560877
T. Izq. Ixtapa Zihuatanejo	8.00	3	0	7143	64.6	72.9	89.6	9.6	61.8	71.6	87.6	11.2	62.1	71.3	89.0	10.8	17.678694	-101.602213
T. Der. Cd. Altamirano	16.30	1	0	6680	68.7	75.3	89.7	9.6	65.8	73.2	84.7	9.0	63.4	71.7	84.5	9.6	17.726430	-101.602919
T. Der. Cd. Altamirano	16.30	3	0	7214	65.8	79.4	98.1	13.8	64.0	78.0	98.6	14.4	58.0	70.7	92.6	12.6	17.730355	-101.609886
T. Der. La Unión	52.00	3	0	4499	57.3	64.5	79.1	9.7	52.5	60.0	73.4	9.1	49.5	56.9	73.8	10.4	17.938804	-101.831211
Zacatula	93.50	1	0	3171	67.3	78.0	95.4	11.7	65.4	76.0	92.0	11.7	59.9	70.7	87.6	11.7	18.003232	-102.173969
Lim. Edos. Term. Gro. Ppia. Mich.	102.30																	
La Villita	103.80	3	0	1992	49.8	62.1	78.6	13.3	50.8	53.8	63.7	7.6	49.2	54.9	74.0	11.3	18.044305	-102.188160
Guacamayas	107.00	1	0	2109	54.3	62.9	80.3	10.1	53.3	56.0	69.3	6.3	52.4	54.9	71.8	7.4	18.030227	-102.200123
T. Izq. Lazáro Cárdenas	110.85	1	1	16394	72.6	80.4	94.3	9.5	70.5	78.2	92.6	9.8	69.4	77.9	93.6	10.6	17.997820	-102.222587
T. Izq. Lazáro Cárdenas	110.85	1	2	17260	65.4	73.4	90.3	9.6	62.8	71.6	89.2	10.3	61.5	70.6	88.9	10.6	17.997820	-102.222586
La Mira	123.60	1	0	11904	51.4	61.0	84.5	11.7	55.6	63.6	99.1	10.8	50.5	58.0	94.3	12.3	18.030245	-102.316910

25 C A R R : Zitácuaro - Cd. Altamirano

CLAVE: 16006

RUTA: MEX-051

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
Zitácuaro	0.00																	
San Cayetano	3.60	3	0	5882	55.2	62.4	74.5	8.5	55.0	54.1	62.1	1.4	53.9	61.2	77.7	9.3	19.422590	-100.388842
Benito Juárez	26.06	3	0	3939	44.2	48.7	57.6	6.2	46.5	51.4	54.5	7.0	43.1	49.9	56.1	8.9	19.299953	-100.431314
Tiquicheo	104.50	1	0	1065	57.8	67.9	87.0	11.5	54.7	58.4	75.6	6.1	53.1	59.8	79.5	9.4	18.921199	-100.744216
Tiquicheo	104.50	3	0	776	65.0	78.5	94.7	13.3	55.4	53.8	62.1	1.0	57.0	64.5	84.7	8.4	18.895972	-100.745582
Huetamo	174.60	1	0	6292	51.9	62.7	82.1	12.1	55.2	54.4	70.9	3.2	52.2	61.5	81.0	11.3	18.650460	-100.897511
San Lucas	193.80	3	0	2514	65.1	74.7	92.0	11.0	61.0	64.7	80.7	7.4	61.4	70.3	84.1	10.4	18.582294	-100.784001
T. C. Toluca - Cd. Altamirano	214.50	1	0	5657	47.5	55.1	73.1	10.2	44.7	51.1	58.0	8.0	45.8	53.2	71.2	10.2	18.375289	-100.668184

26 C A R R : Atlacomulco - Maravatío (Cuota)

CLAVE: 00018

RUTA: MEX-015D

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. Toluca - Palmillas	0.00	3	1	6060	98.8	113.1	123.2	14.7	84.9	93.5	104.1	11.1	72.1	88.0	112.0	16.2	19.828339	-99.884434
T. C. Toluca - Palmillas	0.00	3	2	6390	100.6	114.0	123.5	14.2	85.8	93.7	104.8	10.9	72.3	88.9	112.1	16.3	19.828339	-99.884435
Caseta de Cobro San Juanico	3.76	2	1	4529													19.830594	-99.905264
Caseta de Cobro San Juanico	3.76	2	2	4529													19.830594	-99.905264

MICH OACAN

26 C A R R : Atlacomulco - Maravatío (Cuota)

CLAVE: 00018

RUTA: MEX-015D

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
Lim. Edos. Term. Mex. Ppia. Mich.	21.20																	
Caseta de Cobro Contepec	33.10	2	1	4435													19.876112	-100.177002
Caseta de Cobro Contepec	33.10	2	2	4435													19.876112	-100.177002
X. C. Maravatío - Acámbaro	63.62	1	1	5267	114.9	130.7	143.0	14.7	98.9	104.8	140.9	11.7	94.1	108.0	140.7	14.9	19.909784	-100.446418
X. C. Maravatío - Acámbaro	63.62	1	2	5272	111.2	128.1	142.2	16.8	93.0	100.3	114.5	9.7	86.5	100.1	125.5	14.8	19.909784	-100.446419

27 C A R R : Maravatío - Zapotlanejo (Cuota)

CLAVE: 00018

RUTA: MEX-015D

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. Maravatío - Acámbaro	63.62	3	1	4187	100.0	113.4	131.7	14.5	86.8	92.1	95.4	8.1	75.4	87.6	104.3	13.5	19.909488	-100.462627
X. C. Maravatío - Acámbaro	63.62	3	2	4270	109.9	124.9	141.2	15.2	89.8	94.3	105.0	9.2	83.0	94.1	115.2	13.1	19.909859	-100.465208
X. C. Morelia - Salamanca	75.70	1	1	3438	93.0	115.5	141.4	20.5	88.0	99.7	142.1	16.2	76.5	92.2	126.6	16.2	19.900222	-101.142806
X. C. Morelia - Salamanca	75.70	1	2	3390	96.8	119.1	142.0	19.5	87.6	97.3	111.9	12.2	80.0	96.3	128.2	17.2	19.900222	-101.142806
X. C. Morelia - Salamanca	75.70	3	1	3102	96.5	109.9	127.2	13.5	78.9	83.2	93.9	8.2	75.2	83.1	100.2	9.8	19.893639	-101.157222
X. C. Morelia - Salamanca	75.70	3	2	2745	95.1	109.3	126.9	14.0	78.9	83.2	93.8	8.2	74.8	83.0	100.3	10.0	19.893639	-101.157222
Caseta de Cobro Zinapécuaro	102.02	2	1	3700													19.901803	-100.788575
Caseta de Cobro Zinapécuaro	102.02	2	2	3700													19.901803	-100.788575
Caseta de Cobro Panindícuaro	207.00	2	1	2896													19.972227	-101.756953
Caseta de Cobro Panindícuaro	207.00	2	2	2896													19.972227	-101.756953
X. C. Zamora - La Piedad	261.00	1	1	3396	87.5	98.5	113.9	12.3	71.8	80.1	93.2	10.4	63.8	79.1	100.5	15.1	20.174528	-102.182194
X. C. Zamora - La Piedad	261.00	1	2	3323	90.1	102.9	121.4	13.8	75.0	82.2	92.9	8.6	66.5	77.1	94.7	11.8	20.174528	-102.182194
Caseta de Cobro Ecuandureo	261.00	2	1	2856													20.175038	-102.191318
Caseta de Cobro Ecuandureo	261.00	2	2	2856													20.175038	-102.191318
X. C. Zamora - La Piedad	261.00	3	1	3198	87.2	98.4	113.8	12.4	71.8	80.3	93.5	10.5	63.2	77.4	100.2	14.7	20.175222	-102.199333
X. C. Zamora - La Piedad	261.00	3	2	3256	90.1	102.9	121.4	13.8	75.0	82.1	92.7	8.5	66.8	77.4	95.8	12.0	20.175222	-102.199333
X. C. Ent. Patti - Sahuayo	291.00	3	1	5315	99.9	119.3	139.5	18.4	92.7	102.5	126.7	11.9	85.5	100.1	122.3	15.1	20.271250	-102.442833
X. C. Ent. Patti - Sahuayo	291.00	3	2	6114	96.0	110.7	129.4	14.8	86.4	93.1	106.8	9.0	80.1	91.8	108.6	13.5	20.271250	-102.442833
Lim. Edos. Term. Mich. Ppia. Jal.	297.00																	
X. C. San Miguel El Alto - La Barca	302.18	3	1	6184	118.0	137.6	144.0	17.6	98.6	104.4	138.6	11.0	94.7	104.3	138.0	12.2	20.322228	-102.543422
X. C. San Miguel El Alto - La Barca	302.18	3	2	6039	121.0	138.0	144.1	16.3	99.5	104.5	137.4	10.8	96.2	105.4	137.7	12.3	20.322233	-102.543430
X. C. Tototlán - Ocotlán	325.80	1	1	5751	49.1	53.0	66.6	8.5	45.6	50.9	56.7	6.8	49.5	53.4	62.8	8.6	20.402711	-102.736307
X. C. Tototlán - Ocotlán	325.80	1	2	5686	58.7	64.2	84.5	9.4	54.9	61.1	74.2	7.3	55.0	59.0	74.5	6.0	20.402712	-102.736306
Caseta de Cobro Ocotlán	325.80	2	1	4591													20.405873	-102.738901
Caseta de Cobro Ocotlán	325.80	2	2	4591													20.405873	-102.738901

MICHOACAN

27 C A R R : Maravatío - Zapotlanejo (Cuota)

CLAVE: 00018

RUTA: MEX-015D

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. Zapotlanejo - Guadalajara (Cuota)	375.00	1	1	6280	69.5	82.0	104.1	13.8	69.2	83.3	104.6	15.0	59.5	68.4	94.5	9.6	20.593360	-103.108183
T. C. Zapotlanejo - Guadalajara (Cuota)	375.00	1	2	5955	63.6	74.8	93.4	13.2	59.1	73.3	91.2	14.7	54.3	58.9	81.2	7.7	20.593305	-103.108282

28 C A R R : Morelia - Salamanca (Cuota)

CLAVE: 00124

RUTA: MEX-043D

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. Morelia - Salamanca (Libre)	0.00	3	0	6563	90.2	101.5	119.2	12.4	79.6	83.2	112.3	8.5	74.6	82.7	104.9	10.6	19.919472	-101.150500
T. Der. Cuitzeo	6.70	1	0	6366	71.9	77.9	86.8	8.3	67.5	71.6	97.9	7.7	64.2	69.5	79.1	6.9	19.963167	-101.160083
T. Der. Cuitzeo	6.70	3	0	5855	72.1	78.1	87.2	8.2	67.5	71.6	98.1	7.8	65.0	70.2	81.0	6.6	19.975833	-101.157472
Lim. Edos. Term. Mich. Ppia. Gto.	17.85																	
T. Izq. La Cinta	19.30	1	0	5191	58.8	66.6	82.8	10.1	47.2	53.1	64.2	7.9	43.9	53.9	72.8	11.7	20.072250	-101.136667
T. Izq. La Cinta	19.30	3	0	3818	91.1	110.0	122.7	16.7	91.8	115.7	123.8	20.5	78.5	109.2	123.1	24.0	20.083972	-101.136778
T. Der. Yuriria	31.40	1	0	3416	91.1	104.8	120.8	14.6	79.6	92.0	111.9	14.4	71.1	94.3	116.5	22.3	20.177444	-101.154139
T. Der. Yuriria	31.40	3	0	4637	85.3	96.3	116.9	11.9	79.7	95.1	109.7	16.3	76.2	99.3	130.0	22.8	20.185778	-101.164083
T. Izq. Valle de Santiago	57.12	1	0	5240	104.5	120.7	137.7	15.7	79.0	84.2	122.4	12.3	83.0	102.4	123.8	16.3	20.368306	-101.148194
T. Izq. Valle de Santiago	57.12	3	0	4442	109.8	127.1	134.0	15.8	86.6	94.3	131.4	12.9	86.7	105.4	132.0	16.9	20.380972	-101.147500
Caseta de Cobro Valtierra	76.39	2	0	3810													20.542631	-101.137714
T. C. Querétaro - Irapuato (Libre)	77.09	1	0	3922	86.9	100.8	121.9	14.3	72.3	83.1	103.1	11.7	64.1	80.6	105.0	16.0	20.539139	-101.138278
T. C. Querétaro - Irapuato (Cuota)	81.94	1	0	4058	91.7	109.2	129.9	17.4	82.6	92.2	119.7	11.9	75.6	89.2	113.2	14.8	20.583361	-101.141472

29 C A R R : Nueva Italia - Lázaro Cárdenas (Cuota)

CLAVE: 00032

RUTA: MEX-014D

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. Apatzingán	59.40	3	0	4249	100.9	117.6	136.8	16.8	89.2	97.2	116.1	11.1	81.6	96.4	115.2	16.2	18.984769	-102.088710
Caseta de Cobro Las Cañas	100.00	2	0	3985													18.554190	-101.970337
Lim. Edos. Term. Mich. Ppia. Gro.	159.20																	
Lim. Edos. Term. Gro. Ppia. Mich.	182.00																	
X. C. Lazáro Cárdenas - Zihuatanejo	187.00	1	0	3963	77.3	95.6	117.8	17.2	63.5	79.0	101.4	14.7	57.5	75.7	103.9	16.6	18.009481	-101.960318
Caseta de Cobro Feliciano	187.00	2	0	1201													18.006510	-101.961761
X. C. Lazáro Cárdenas - Zihuatanejo	187.00	3	0	3918	79.5	91.4	111.5	13.1	71.3	81.1	94.1	11.6	67.7	78.6	93.0	12.0	18.000769	-101.964790
T. C. La Orilla - Las Truchas	212.00																	

MICHOACAN

30 C A R R : Pátzcuaro - Uruapan (Cuota)

CLAVE: 16011

RUTA: MEX-14D

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. Morelia - Tzurumútaró	0.00	3	0	9879	90.2	104.3	125.9	15.0	76.8	90.4	104.1	14.0	72.6	95.0	122.0	21.9	19.525569	-101.568157
X. C. Quiroga - Tepalcatepec	6.00	3	0	7882	99.3	115.7	139.7	16.8	93.5	110.0	141.9	16.8	86.3	104.5	138.2	18.2	19.493094	-101.609266
Caseta de Cobro Zirahuén	12.55	2	0	8721													19.505623	-101.659299
Caseta de Cobro Zurumucapio	40.00	2	0	9197													19.441169	-101.882244
T. C. Ent. Uruapan - Lazáro Cárdenas (Cuota)	46.70	1	0	12525	87.1	100.6	122.7	13.9	80.5	91.5	108.8	12.5	76.0	91.2	115.1	15.4	19.418583	-101.929444
T. C. Ent. Uruapan - Lazáro Cárdenas (Cuota)	46.70	3	0	12787	93.9	105.1	130.2	13.7	92.8	108.6	142.2	15.9	86.2	104.9	141.6	18.6	19.416917	-101.946667
T. C. Ent. Carapan - Playa Azul	60.00																	

31 C A R R : Uruapan - Nueva Italia (Cuota)

CLAVE: 00032

RUTA: MEX-014D

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. Ent. Pátzcuaro - Uruapan (Cuota)	0.00	3	0	8105	84.8	94.9	113.3	11.9	74.8	82.9	94.4	9.5	68.5	81.8	101.4	14.4	19.408472	-101.939111
Caseta de Cobro Taretan	8.89	2	0	6608													19.355413	-101.918127
Caseta de Cobro Santa Casilda	39.65	2	0	6119													19.152887	-101.978112
T. Der. Apatzingán	59.40	1	0	5394	92.4	107.8	129.9	15.5	78.6	91.6	109.1	14.2	73.3	91.3	117.5	17.8	18.994905	-102.084199

32 C A R R : Apatzingán - Aguililla

CLAVE: 16591

RUTA: MICH

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
Apatzingán	0.00	3	0	10935	51.8	60.1	74.5	10.1	49.1	54.7	69.8	9.5	48.5	54.8	72.6	10.3	19.090000	-102.384583
Aguililla	85.00																	

33 C A R R : Comanja - Huaniqueo

CLAVE: 16024

RUTA: MICH-024

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. Morelia - Jiquilpan	0.00	3	0	1708	60.3	67.6	80.6	9.7	55.4	61.4	72.8	7.3	53.4	62.2	74.9	10.7	19.749306	-101.684917
Huaniqueo	27.10	1	0	1609	56.5	71.0	90.3	14.6	55.3	65.7	77.5	8.9	56.6	70.9	88.5	13.9	19.885917	-101.508583

MICHOACAN

34 C A R R : Cotija - Emiliano Zapata

CLAVE: 16024

RUTA: MICH

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. Tocuambo - Cotija	0.00	3	0	2327	60.5	68.9	79.9	10.1	57.2	61.8	73.3	6.4	55.8	59.7	73.2	6.0	19.803472	-102.662389
T. C. Morelia - Jiquilpan	30.00	1	0	2990	71.8	82.1	100.1	11.7	66.7	76.4	92.6	10.9	63.4	74.1	94.6	11.8	19.980611	-102.611500

35 C A R R : Cuitzeo - Zináparo

CLAVE: 16027

RUTA: MICH-027

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
Cuitzeo	0.00	3	1	1552	39.8	44.9	59.3	8.8	39.6	48.0	57.6	9.8	42.7	51.4	54.9	11.0	19.969667	-101.153944
Cuitzeo	0.00	3	2	1540	41.7	48.0	61.3	9.4	43.2	51.0	63.8	10.1	47.0	52.6	60.3	9.4	19.969667	-101.153944
Puruándiro	61.00	1	0	4763	59.0	69.2	86.1	11.8	55.3	54.6	71.5	3.4	54.1	64.1	82.4	11.4	20.091278	-101.494278
Puruándiro	61.00	3	0	4305	57.7	67.3	83.5	10.9	51.3	54.2	64.1	7.6	48.2	60.0	75.3	12.3	20.093694	-101.529667
T. Izq. Zacapu	79.00	3	0	2025	67.5	76.8	93.4	11.0	63.2	72.1	84.6	9.7	61.8	72.9	95.7	12.7	20.141556	-101.656083
Zináparo	123.70	1	0	2538	64.7	77.1	94.5	13.2	56.3	59.9	71.9	5.4	58.2	69.0	85.9	11.4	20.171417	-101.991528

36 C A R R : El Correo - Lagunillas

CLAVE: 16014

RUTA: MICH

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
El Correo	0.00	3	0	1422	56.9	66.7	83.7	11.2	52.1	54.8	69.6	7.4	49.1	56.4	73.8	10.4	19.627250	-101.417889
T. C. Morelia - Pátzcuaro	10.60	1	0	2021	38.7	44.0	54.2	8.2	37.0	49.8	54.5	11.9	34.2	45.9	54.1	10.7	19.557194	-101.423722

37 C A R R : El Temascal - El Limón

CLAVE: 16014

RUTA: MICH

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
El Temascal	0.00	3	0	1145	55.0	61.5	72.5	7.7	50.8	53.0	58.3	6.0	50.7	54.3	66.5	8.0	19.648813	-100.955540
Ent. El Limón	92.30	1	0	929	62.1	73.0	92.7	12.5	57.9	65.5	78.6	8.5	57.7	67.0	84.2	9.9	19.028134	-100.743573

38 C A R R : Gabriel Zamora - Dr. Miguel Silva

CLAVE: 00032

RUTA: MICH

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
Gabriel Zamora	0.00	3	0	2299	61.8	74.8	94.5	14.5	58.8	65.9	86.0	8.7	59.0	71.9	91.4	13.6	19.159222	-102.039278
Dr. Miguel Silva	55.20	1	0	1596	46.0	51.7	62.7	7.2	46.1	51.9	61.9	8.5	45.8	52.2	61.5	8.9	19.169510	-101.726246

MICHOACAN

39 C A R R : Jacona - Buenavista Tomatlán

CLAVE: 16016

RUTA: MICH-016

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
Jacona	0.00	3	0	6920	71.1	82.6	101.2	12.8	64.1	77.8	93.4	13.1	59.8	73.4	94.0	13.6	19.935583	-102.324583
T. Der. Cotija de La Paz	47.00	1	0	6593	85.0	97.4	117.7	12.8	78.6	88.0	101.4	10.8	75.4	87.6	103.0	12.1	19.700667	-102.492028
Los Reyes de Salgado	60.00	1	0	11226	70.1	79.9	98.1	11.4	66.6	75.6	93.6	11.1	66.1	75.8	97.0	11.9	19.622222	-102.487111
Los Reyes de Salgado	60.00	3	0	12691	53.9	59.2	78.6	8.3	54.5	59.9	111.2	10.1	52.9	56.7	90.6	9.4	19.567222	-102.457389
Peribán de Ramos	70.00	1	0	10786	59.1	66.7	81.1	10.0	57.6	64.8	81.6	10.3	55.7	63.3	79.3	9.4	19.541694	-102.438444
Peribán de Ramos	70.00	3	0	4529	53.0	60.6	73.3	9.2	50.7	57.1	71.4	9.4	49.3	54.5	68.6	9.6	19.500806	-102.428333
Buenavista	123.00	1	0	4033	71.1	80.6	100.1	11.1	71.3	79.9	102.3	11.0	66.2	76.0	95.6	11.6	19.233000	-102.584500

40 C A R R : La Paz - Tepetongo

CLAVE: 16557

RUTA: MICH

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 Noria - Acámbaro	0.00	3	0	2397	72.7	82.6	98.4	11.4	73.1	88.0	101.8	12.1	64.5	74.8	93.5	11.4	20.172137	-100.281851
Hepitacio Huerta	5.20	3	0	3091	56.5	64.0	77.1	9.7	51.7	54.7	64.7	8.7	51.2	57.5	73.3	10.4	20.132792	-100.306106
Tepetongo	45.00	1	0	1957	94.0	112.8	135.0	18.1	70.2	89.0	100.4	17.0	78.5	102.6	132.9	21.7	19.898164	-100.155315

41 C A R R : Libramiento de Uruapan

CLAVE: 16425

RUTA: MICH

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. Pátzcuaro - Uruapan	0.00	3	0	29272	49.5	54.7	70.2	8.8	47.6	52.7	63.4	7.8	47.4	53.4	71.0	9.3	19.427278	-102.025194
T. C. Carapan - Playa Azul	9.70	1	1	15830	44.2	50.4	61.9	7.5	39.3	43.8	54.1	7.6	39.8	47.3	54.8	9.1	19.372250	-102.053722
T. C. Carapan - Playa Azul	9.70	1	2	15483	44.2	50.4	62.0	7.5	39.2	43.7	54.1	7.7	39.4	46.1	54.8	8.9	19.372250	-102.053722

42 C A R R : Pátzcuaro - Chupícuaro

CLAVE: 16241

RUTA: MICH

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
Pátzcuaro	0.00	3	0	4905	54.3	61.0	74.4	8.1	50.9	56.5	74.8	9.4	52.5	57.1	82.6	9.2	19.540866	-101.621592
Erongarícuaro	17.00	1	0	2966	53.4	66.3	84.3	13.8	50.6	54.9	71.3	9.7	49.2	58.0	79.8	12.6	19.581070	-101.721219
Chupícuaro	41.80	1	0	1661	72.7	81.9	96.9	10.7	69.4	80.2	94.9	12.4	70.9	81.1	95.3	11.8	19.681667	-101.580944

MICHOACAN

43 C A R R : Ramal a Coahuayana

CLAVE: 16069

RUTA: MICH-069

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. Ent. Playa Azul - Manzanillo	0.00	3	0	2484	58.1	67.5	83.8	11.4	54.3	59.2	71.3	6.6	54.1	60.1	75.0	7.8	18.711278	-103.707341
Coahuayana	6.50																	

44 C A R R : Ramal a Infiernillo

CLAVE: 16010

RUTA: MICH-010

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. Carapan - Playa Azul	0.00	3	0	95	46.8	53.2	62.7	9.3	55.0	53.5	54.8	0.0	50.9	53.2	54.8	6.7	18.521584	-101.980135
Infiernillo	43.00																	

45 C A R R : San Felipe Alzati - Angangueo

CLAVE: 16556

RUTA: MICH-044

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. Toluca - Morelia	0.00	3	0	4179	39.3	43.7	54.3	7.5	41.0	51.0	54.5	11.3	37.0	46.4	54.3	9.7	19.496451	-100.373407
Angangueo	24.00	1	0	3670	40.8	44.6	55.0	7.6	40.8	50.5	54.4	11.0	38.7	48.6	54.5	10.5	19.612791	-100.312925

46 C A R R : San Juan Tumbio - Cherán

CLAVE: 16556

RUTA: MICH

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 Juan Tumbio	0.00	3	0	2074	62.8	78.2	99.2	14.2	57.8	63.2	88.4	8.6	59.5	73.9	95.5	14.1	19.518028	-101.766722
Nahuatzen	28.50	3	0	4268	64.9	74.2	91.4	10.9	65.6	73.2	84.1	9.4	62.8	72.2	85.0	11.0	19.657444	-101.927778
Cherán	35.80	1	0	3621	64.8	74.2	91.4	10.9	59.7	63.5	80.1	6.5	62.6	72.0	85.6	10.8	19.672194	-101.950250

47 C A R R : T. C. (Carapan - Playa Azul) - Peribán de Ramos

CLAVE: 16556

RUTA: MICH

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. Carapan - Playa Azul	0.00	3	0	4889	74.0	84.5	102.0	11.6	74.7	89.8	136.0	16.4	68.0	82.8	125.1	15.8	19.530139	-102.078944
Peribán de Ramos	50.00	1	0	5065	55.8	62.6	74.4	8.5	54.6	62.5	74.4	9.0	54.8	61.9	75.0	8.7	19.542000	-102.408083

MICHOACAN

48 CARR: T. C. (Toluca - Morelia) - Maravatío

CLAVE: 16584

RUTA: MICH-122

AÑO: 2013

LUGAR	ESTACION				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				COORDENADAS	
	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. Toluca - Morelia	0.00	3	0	8422	58.8	66.5	82.3	9.9	54.8	53.8	61.3	1.4	55.0	62.1	79.2	8.7	19.686985	-100.515763
T. Der. Aporo	10.00	1	0	6958	57.8	66.3	81.4	10.7	54.3	53.9	63.1	2.5	51.7	61.3	74.9	11.4	19.701490	-100.469412
T. Der. Aporo	10.00	3	0	5897	75.6	85.2	101.9	11.3	65.2	73.8	84.6	9.8	67.3	78.4	93.6	12.1	19.705633	-100.468241
T. Der. Seguio	14.00	3	0	4578	82.6	93.3	109.2	12.1	69.9	81.5	93.1	12.5	70.3	83.0	98.0	13.8	19.739231	-100.461329
Maravatío de Ocampo	28.00	1	0	6456	74.7	86.3	105.4	12.5	63.1	73.0	85.5	10.4	68.0	81.1	103.4	14.0	19.872176	-100.449908

49 CARR: T. C. (V. Victoria - El Oro de Hidalgo) - Angangueo

CLAVE: 00195

RUTA: EM-003-MICH

AÑO: 2013

LUGAR	ESTACION				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				COORDENADAS	
	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. V. Victoria - El Oro de Hidalgo	0.00	3	1	3637	50.5	54.8	64.4	7.9	45.3	49.9	54.3	5.7	42.9	49.2	57.3	8.0	19.647964	-100.128483
T. C. V. Victoria - El Oro de Hidalgo	0.00	3	2	3395	50.4	54.8	64.5	8.1	45.5	50.1	54.3	5.8	44.4	50.7	54.9	7.7	19.647965	-100.128485
Lim. Edos. Term. Mex. Ppia. Mich	17.70																	
Angangueo	24.00	1	0	993	46.8	54.1	69.1	10.2	44.7	52.3	54.6	11.6	46.9	53.1	58.2	11.7	19.640134	-100.271905

50 CARR: Tepalcatepec - Aquila

CLAVE: 16421

RUTA: MICH

AÑO: 2013

LUGAR	ESTACION				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				COORDENADAS	
	KM	TE	SC	TDPA	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Latitud	Longitud
Tepalcatepec	0.00	3	0	4803	59.5	70.6	89.9	12.3	62.6	73.2	93.5	12.0	59.3	69.8	91.8	11.8	19.172583	-102.848917
Coalcomán de Vázquez Pallares	70.30	1	0	1454	43.5	50.9	61.9	8.7	46.1	51.1	61.2	7.0	48.8	53.0	61.3	8.4	18.790528	-103.148083
Aquila	160.20	1	0	482	36.1	42.2	52.4	7.5	37.8	45.3	53.7	8.8	40.8	51.1	54.7	11.9	18.599226	-103.496618

51 CARR: Tiripetío - Eréndira

CLAVE: 16422

RUTA: MICH

AÑO: 2013

LUGAR	ESTACION				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				COORDENADAS	
	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. Morelia - Pátzcuaro	0.00	3	0	1855	65.3	73.5	92.1	9.6	65.8	76.3	91.8	11.4	64.2	75.5	94.6	12.2	19.542550	-101.349693
Acuitzio del Canje	7.90	3	0	4695	53.5	63.5	79.6	11.1	51.3	63.4	91.9	14.3	49.0	60.8	87.5	13.9	19.474250	-101.332889
Villa Madero	23.20	1	0	4520	52.4	57.3	66.0	7.5	48.8	52.9	62.3	7.3	46.9	52.5	62.9	8.2	19.398028	-101.282778
T. C. Zitácuaro - Cd. Altamirano	150.00	1	0	876	64.6	73.2	84.5	9.8	57.1	63.1	76.8	8.4	54.2	61.5	78.6	8.7	18.828710	-100.934133

MICHOACAN

52 C A R R : Tocumbo - Cotija

CLAVE: 16042

RUTA: MICH-042

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. Jacona - Buenavista	0.00	3	0	3590	72.2	80.8	94.6	10.3	68.6	74.2	90.4	9.2	66.7	74.9	97.3	11.3	19.697889	-102.495778
Cotija de La Paz	28.99																	

53 C A R R : Ucareo - T. C. (Toluca - Morelia)

CLAVE: 00448

RUTA: MICH

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
Ucareo	0.00	3	0	2890	49.3	57.1	74.1	10.1	48.9	52.8	81.8	8.2	49.4	53.4	74.3	8.9	19.894125	-100.678327
T. Izq. Jarahuaro de Juárez	4.00	1	0	2476	33.6	37.5	50.8	6.5	34.4	47.0	54.3	9.2	33.8	45.1	53.9	9.1	19.881764	-100.653791
T. Izq. Jarahuaro de Juárez	4.00	3	0	730	47.3	53.9	69.0	9.1	43.6	49.7	59.4	7.7	46.4	52.7	60.6	9.6	19.879247	-100.651895
San Pedro Jácuaró	33.00	1	0	947	44.5	51.4	64.4	8.4	42.8	52.0	54.9	11.7	40.6	50.7	58.9	11.2	19.719053	-100.653567
San Pedro Jácuaró	33.00	3	0	3295	47.0	53.2	66.5	8.5	45.7	50.9	54.5	6.8	42.2	49.5	61.1	9.1	19.712891	-100.637949

54 C A R R : Uruapan - El Copetiro

CLAVE: 00448

RUTA: MICH

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
Uruapan	0.00	3	0	9852	44.2	49.9	64.7	8.2	40.3	46.5	54.8	8.6	40.9	50.1	60.6	11.0	19.382472	-102.083389
San Juan Parangaricutiro	12.50	3	0	4620	44.5	50.1	65.9	8.2	40.7	47.2	54.8	8.5	42.8	51.4	56.8	10.9	19.411444	-102.144083
El Copetiro	62.50	1	0	1709	62.5	71.1	84.1	10.1	55.9	58.5	76.8	5.3	56.2	62.0	80.8	7.6	19.453722	-102.449806

55 C A R R : Zacapu - Villachuató

CLAVE: 16039

RUTA: MICH-039

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
Zacapu	0.00	3	1	4797	60.6	70.8	85.0	12.0	57.1	59.8	65.8	4.7	56.1	66.5	84.8	12.4	19.836631	-101.769367
Zacapu	0.00	3	2	4429	57.9	66.7	83.9	10.8	55.8	59.3	72.2	5.6	56.3	64.7	87.5	11.4	19.836631	-101.769367
Panindícuaro	21.00	3	0	2815	72.2	83.1	101.0	12.3	60.7	63.3	72.6	5.8	64.0	74.4	93.4	11.8	19.982528	-101.745167
T. C. Cuitzeo - Zinápapo	43.00	1	0	1103	61.1	70.6	84.9	10.8	53.9	57.3	70.1	6.1	51.2	61.8	79.8	11.8	20.140972	-101.653889

56 C A R R : Zicuirán - Churumuco

CLAVE: 16242

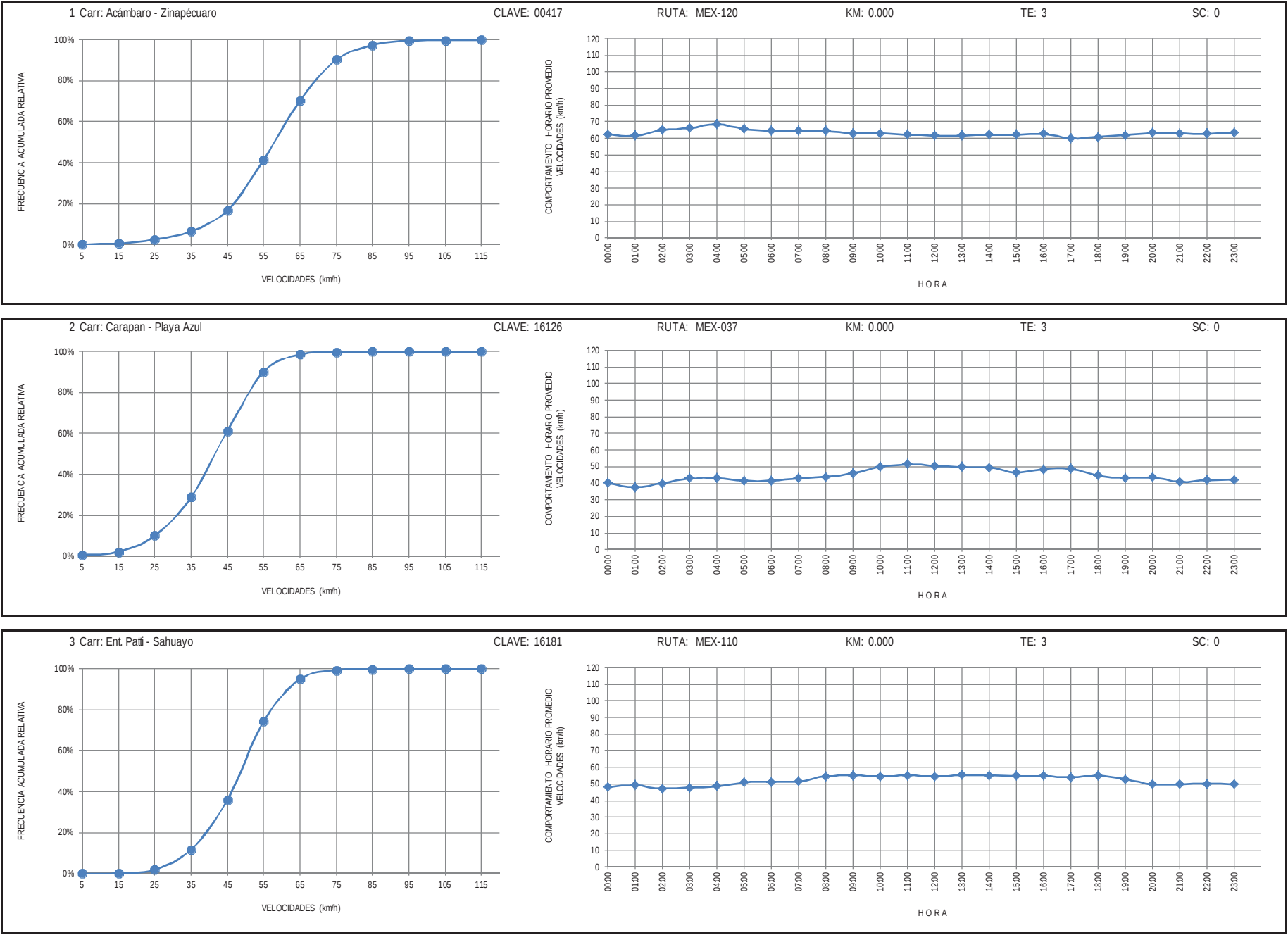
RUTA: MICH

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
Zicuirán	0.00	3	0	1296	44.2	51.5	66.1	8.9	47.2	52.0	113.2	10.4	44.9	51.9	61.4	9.1	18.872452	-101.960331

MICHOACAN

59 C A R R : Opopeo - Puruarán								CLAVE: 16241				RUTA: MEX-041-MICH				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. Quiroga - Tepalcatepec								0.00	3	0	3993	43.0	49.8	62.0	8.5	48.2	52.4	54.7	7.7	41.0	49.1	59.5	9.8	19.415675	-101.604938
Puruarán								71.00																	



3 Carr: Ent. Pati - Sahuayo

CLAVE: 16181

VELOCIDADES (km/h)	FRECUENCIA ACUMULADA RELATIVA (%)
5	0%
15	0%
25	2%
35	12%
45	35%
55	75%
65	95%
75	100%
85	100%
95	100%
105	100%
115	100%

RUTA: MEX-110

KM: 0.000

TE: 3

SC: 0

HORA	COMPORTAMIENTO HORARIO PROMEDIO VELOCIDADES (km/h)
00:00	48
01:00	49
02:00	46
03:00	47
04:00	48
05:00	50
06:00	50
07:00	51
08:00	53
09:00	54
10:00	53
11:00	54
12:00	53
13:00	54
14:00	54
15:00	54
16:00	54
17:00	53
18:00	55
19:00	52
20:00	50
21:00	50
22:00	50
23:00	50

4 Carr: Ent Playa Azul - Manzanillo

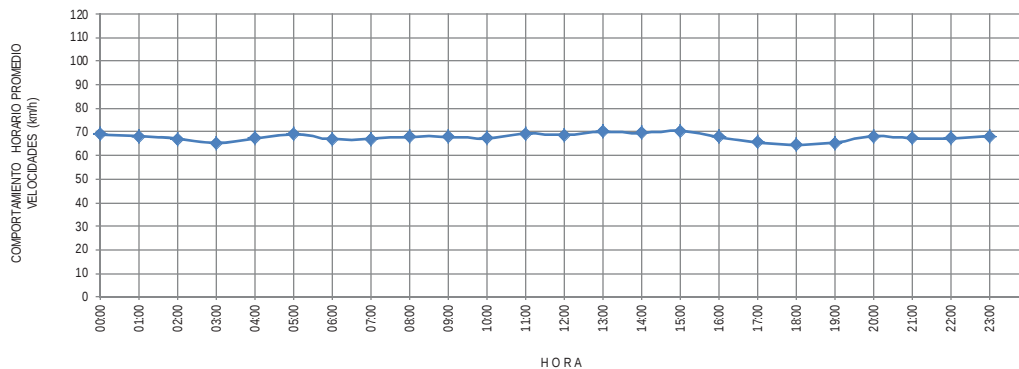
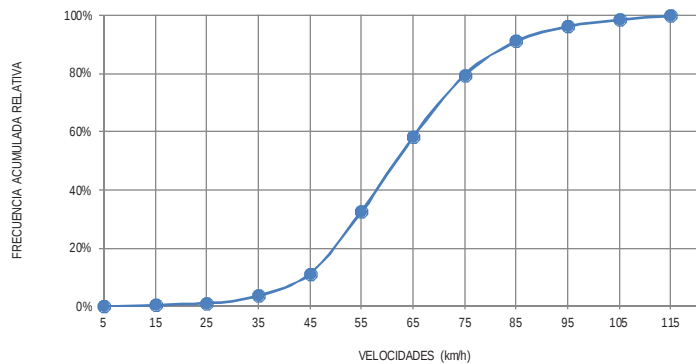
CLAVE: 00495

ruta: MEX-200

KM: 0.000

TE: 3

SC: 0



5 Carr: Huajúmbaro - San José

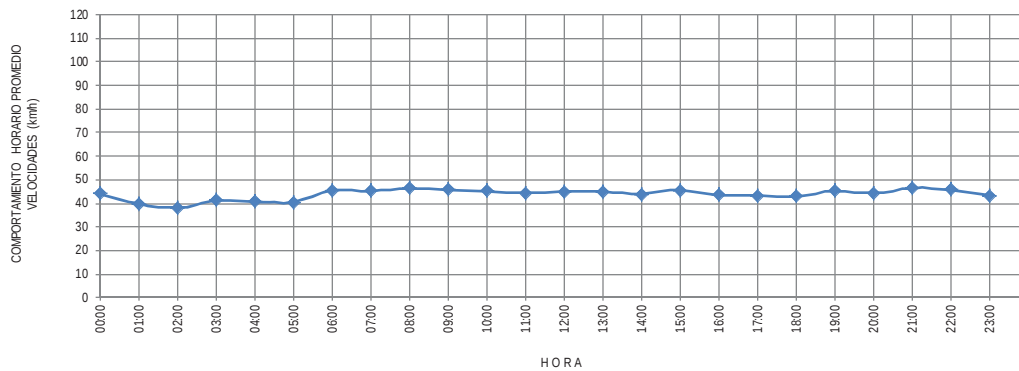
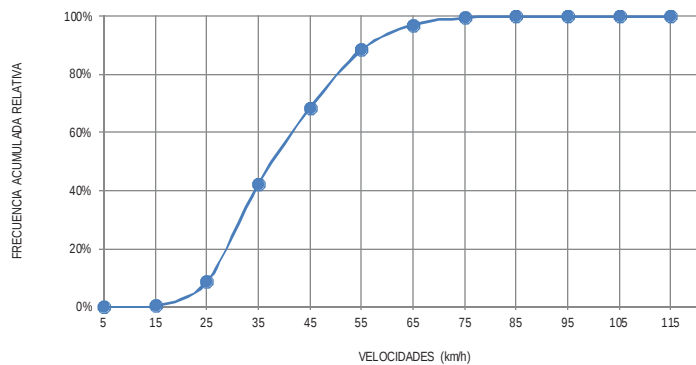
CLAVE: 16555

ruta: MEX-051-120

KM: 0.000

TE: 3

SC: 0



6 Carr: Irapuato - Zapollanejo

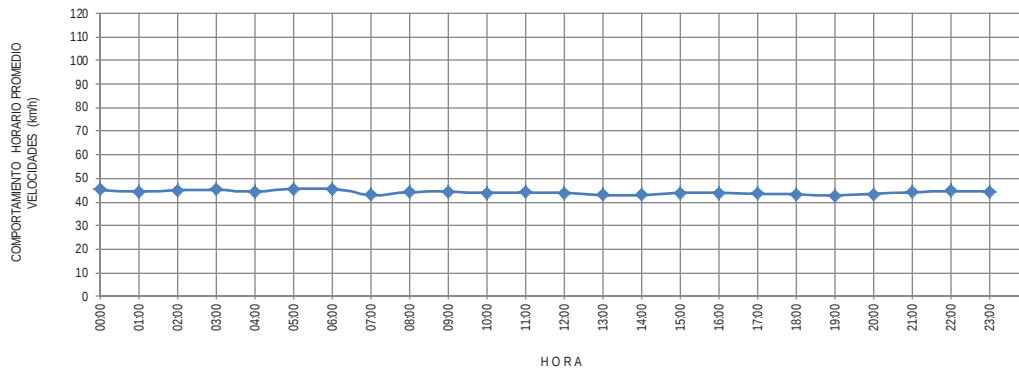
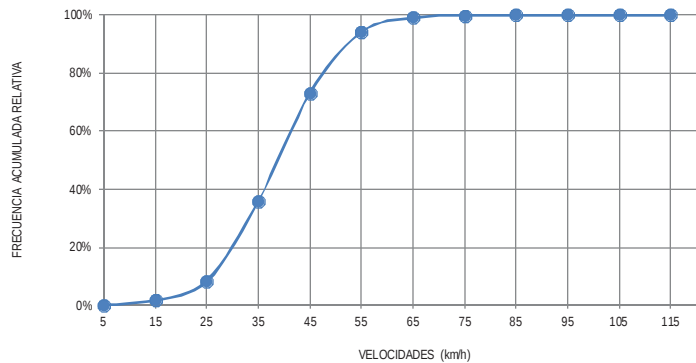
CLAVE: 00114

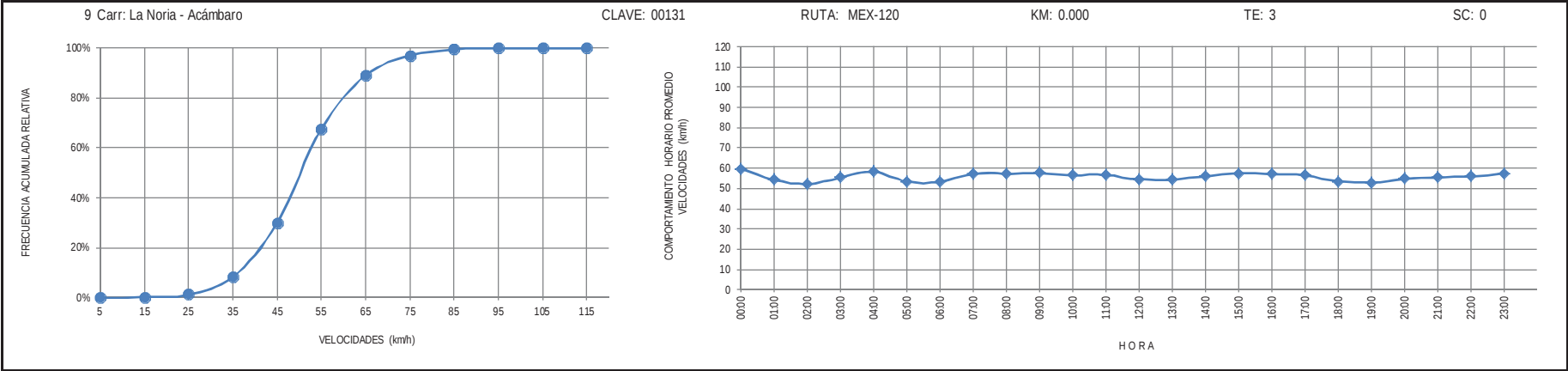
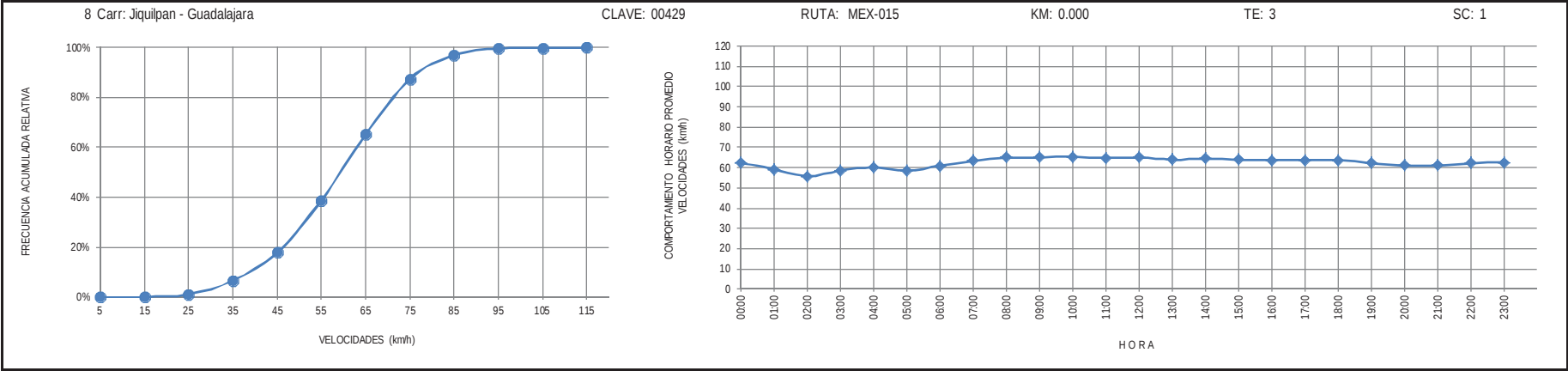
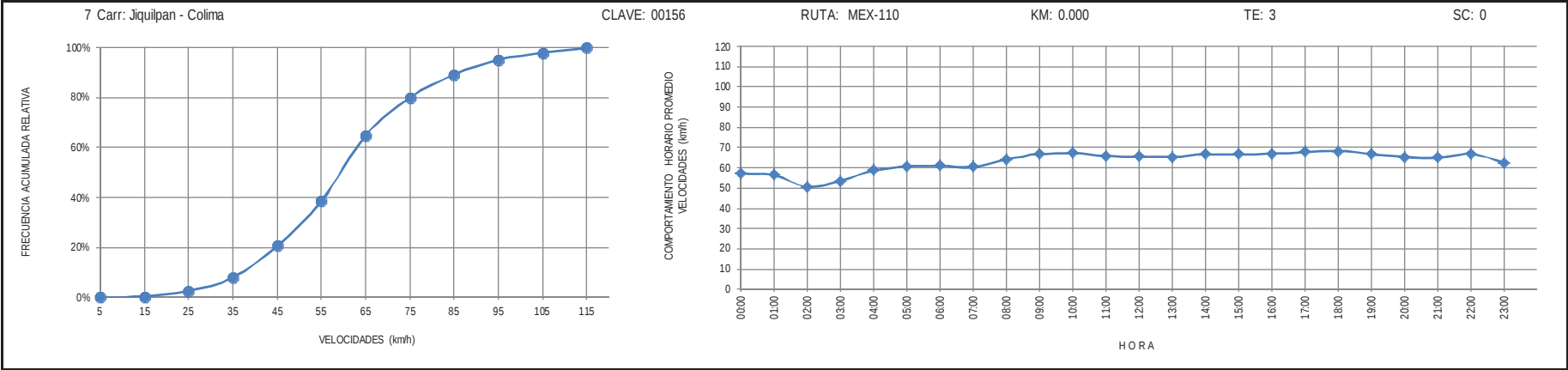
ruta: MEX-090

KM: 2.780

TE: 1

SC: 1





10 Carr: La Orilla - Las Truchas

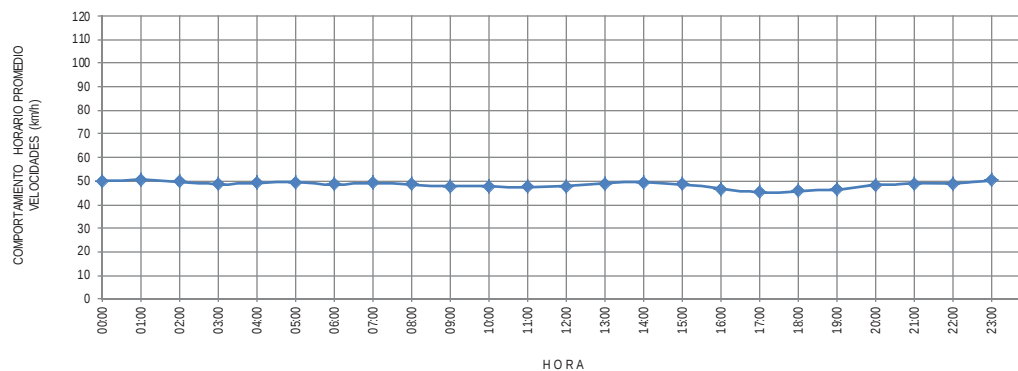
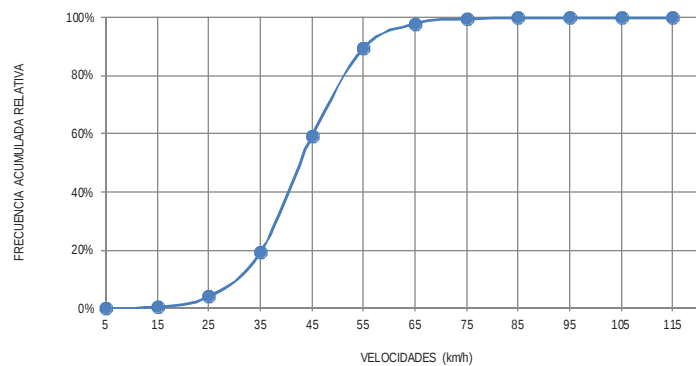
CLAVE: 16557

ruta: MEX-200

KM: 0.000

TE: 3

SC: 0



11 Carr: La Piedad - Carapan

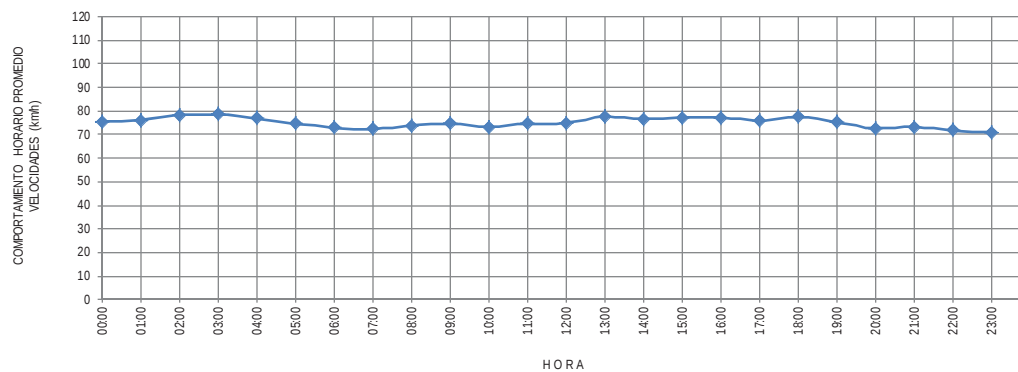
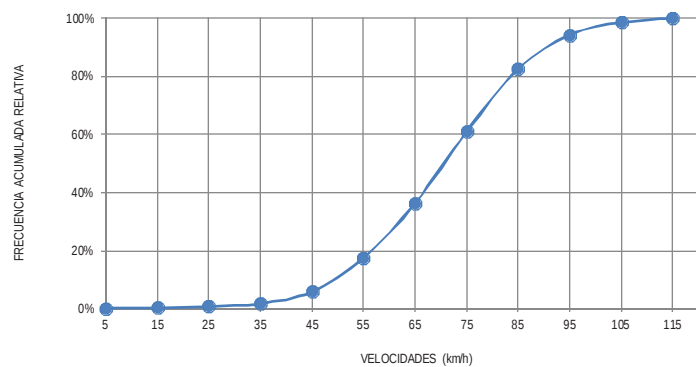
CLAVE: 16476

ruta: MEX-037

KM: 0.000

TE: 3

SC: 1



12 Carr: Libramiento Oriente de Zamora

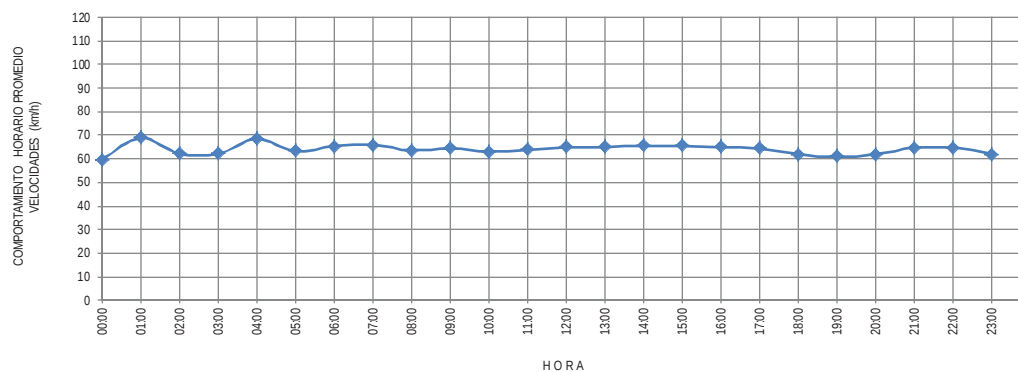
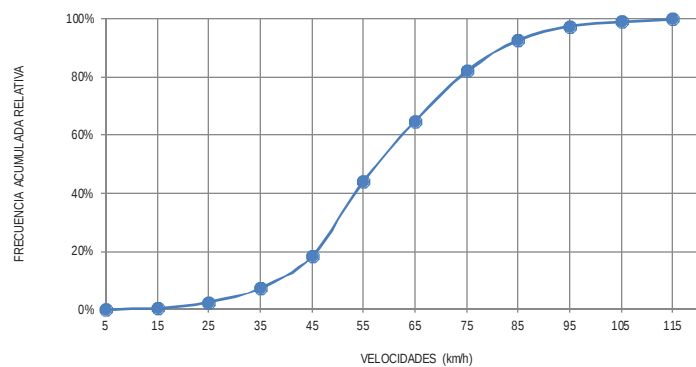
CLAVE:

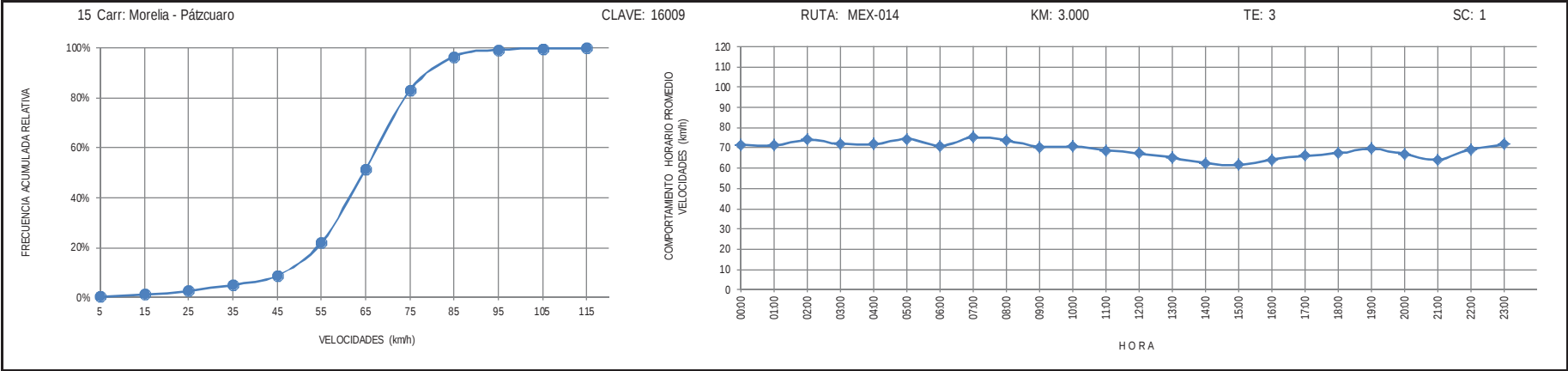
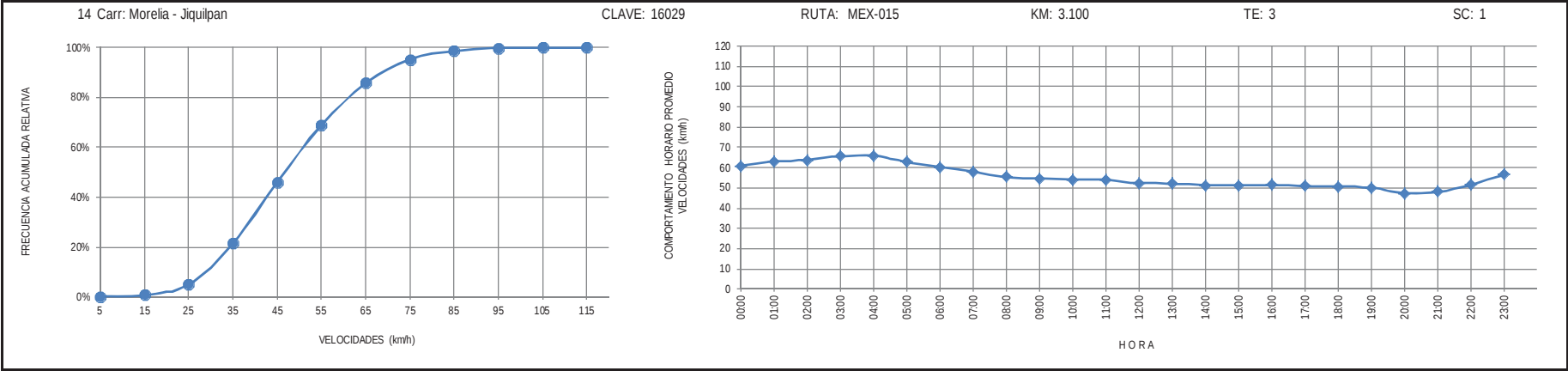
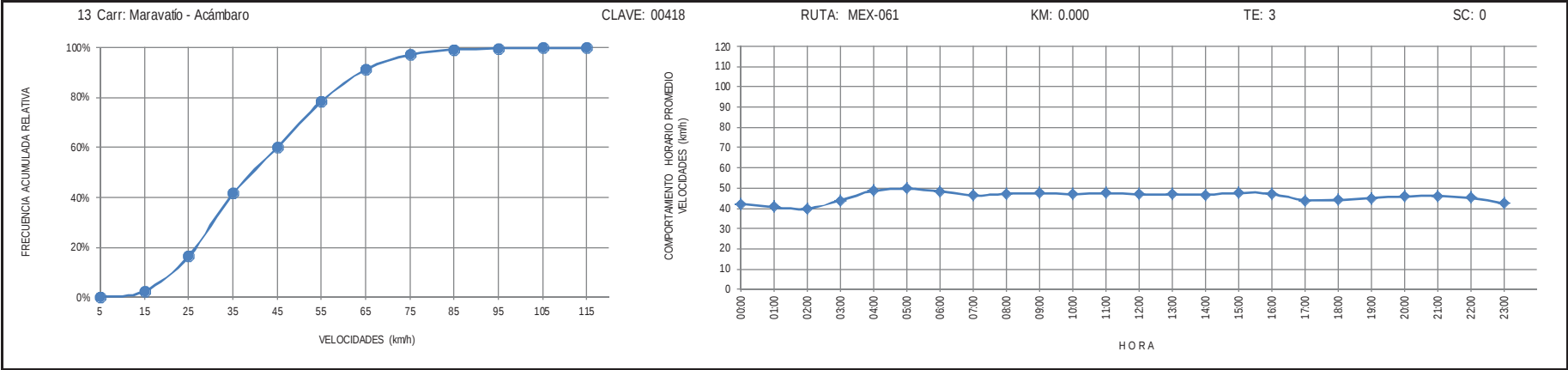
ruta: MEX-015

KM: 0.000

TE: 3

SC: 0





16 Carr: Morelia - Salamanca

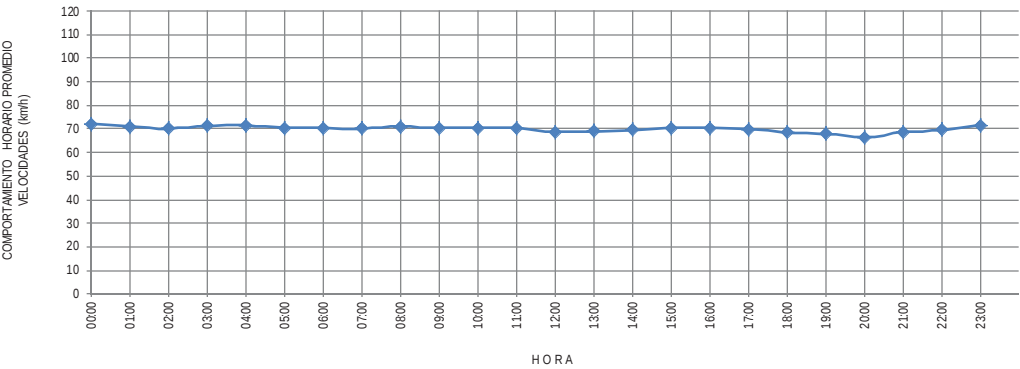
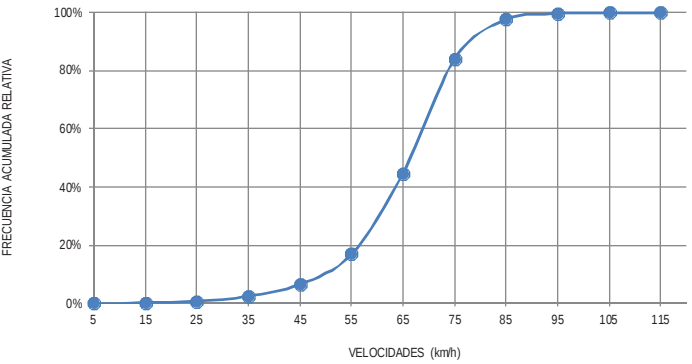
CLAVE: 00124

ruta: MEX-043

KM: 2.700

TE: 3

SC: 1



17 Carr: Pátzcuaro - Uruapan

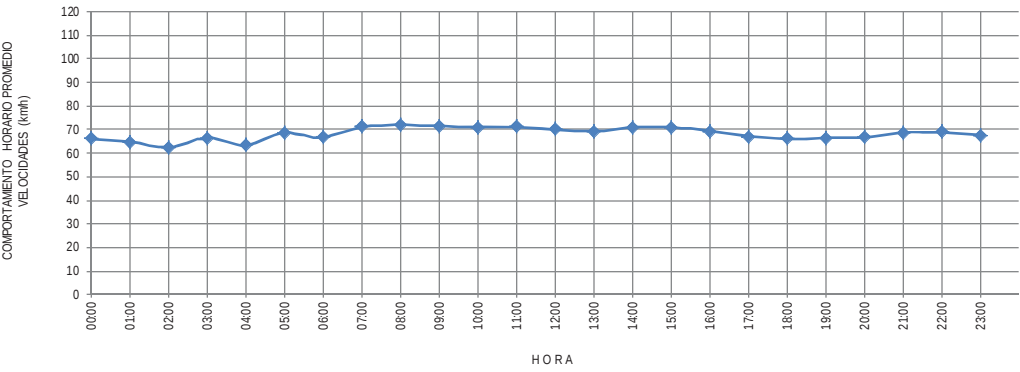
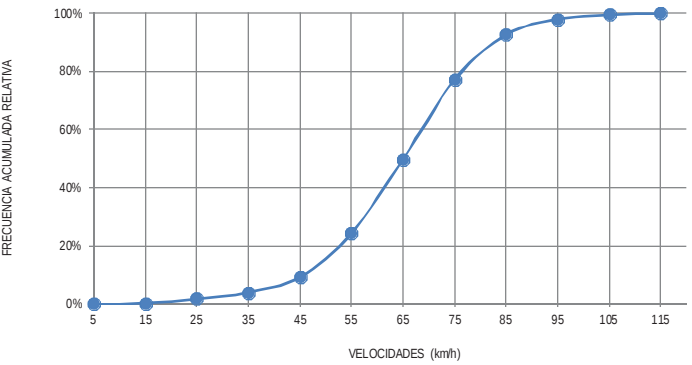
CLAVE: 16484

ruta: MEX-014

KM: 0.000

TE: 3

SC: 0



18 Carr: Quiroga - Tepalcatepec

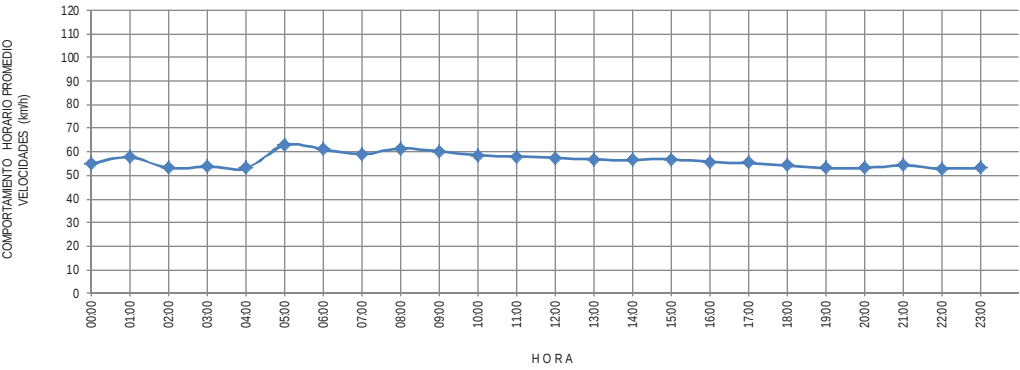
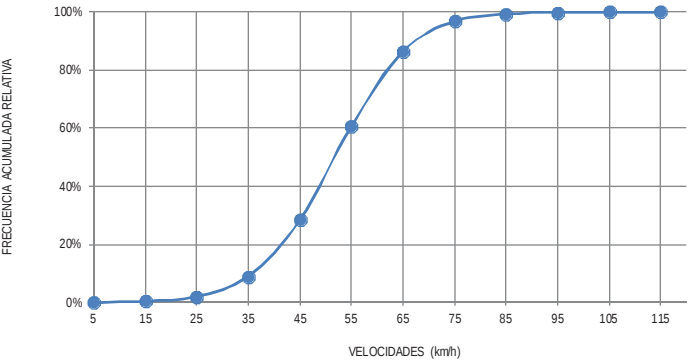
CLAVE: 16125

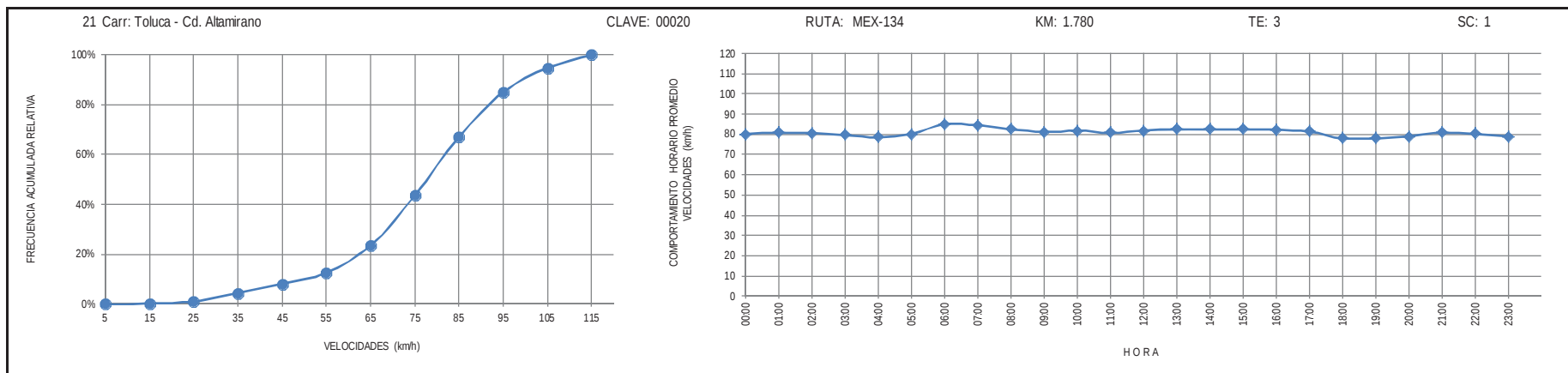
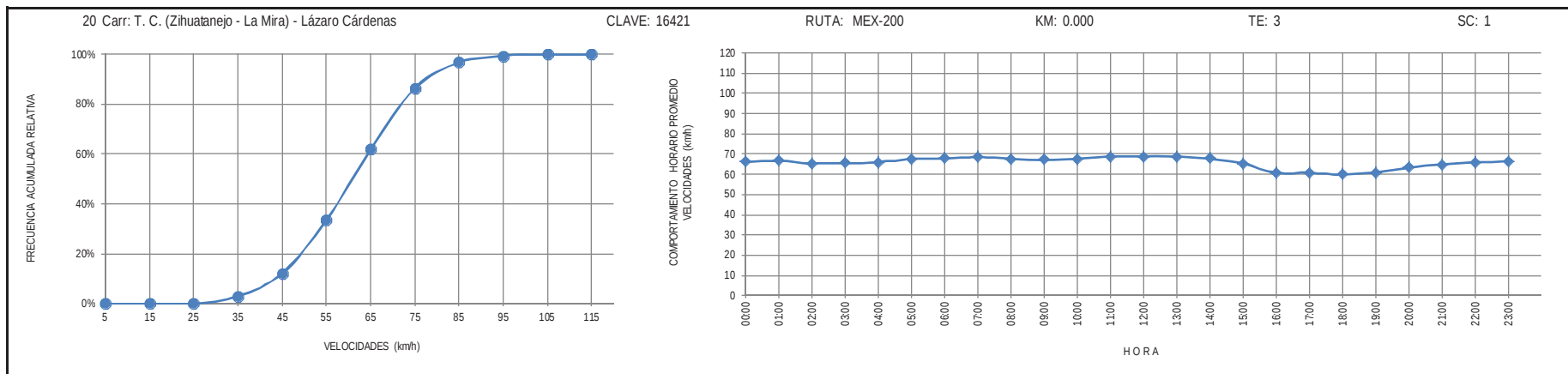
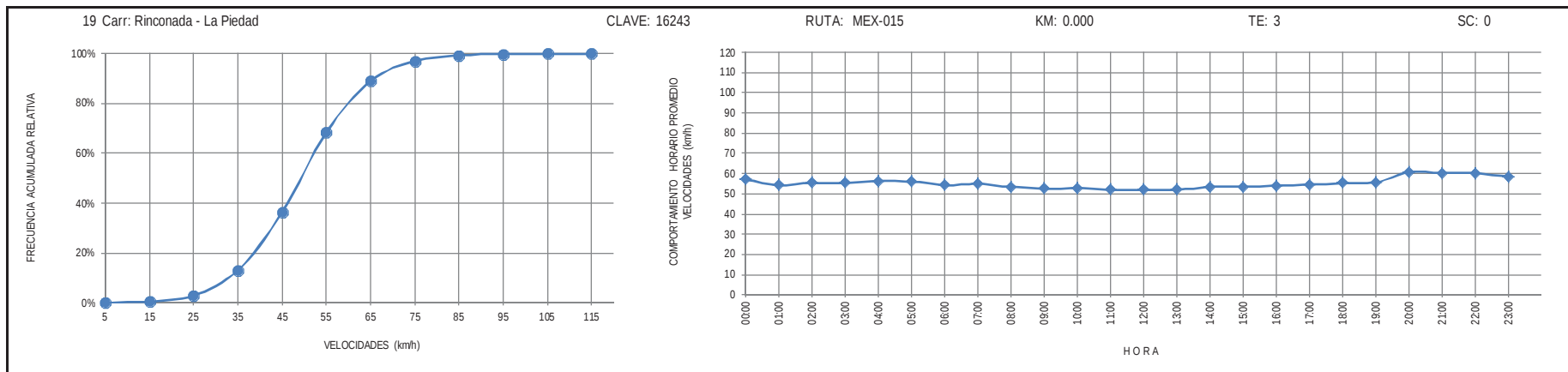
ruta: MEX-120

KM: 0.000

TE: 3

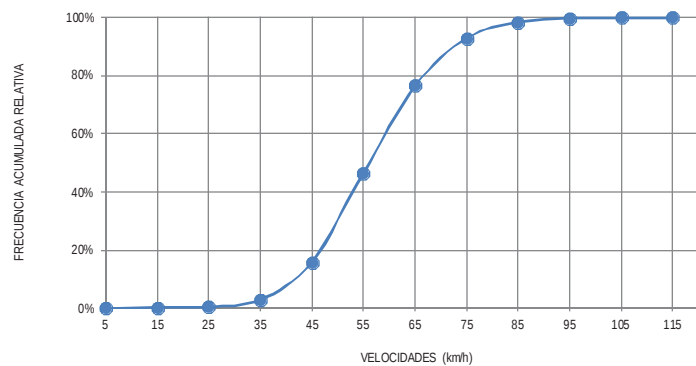
SC: 0





22 Carr: Toluca - Morelia

CLAVE: 00448

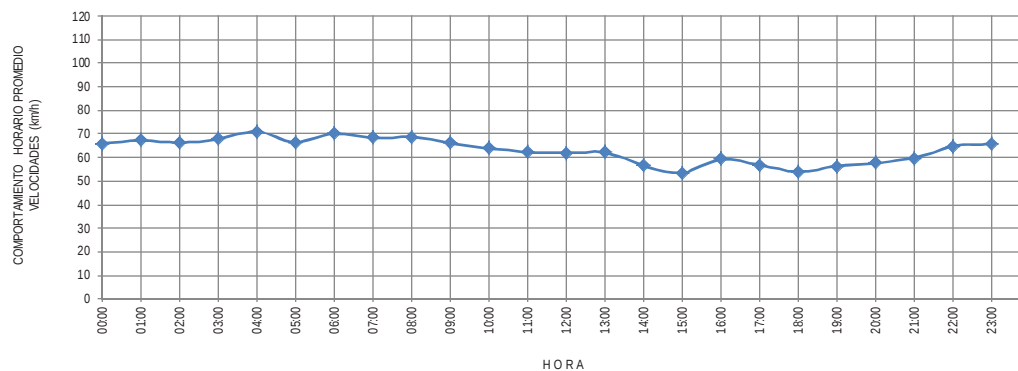


ruta: MEX-015

KM: 1.000

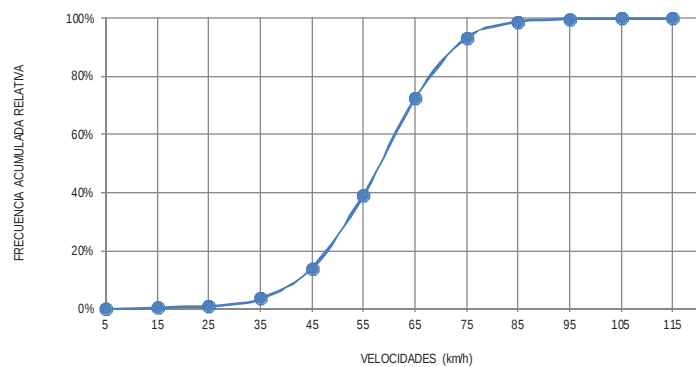
TE: 3

SC: 1



23 Carr: Zamora - Vista Hermosa

CLAVE: 16242

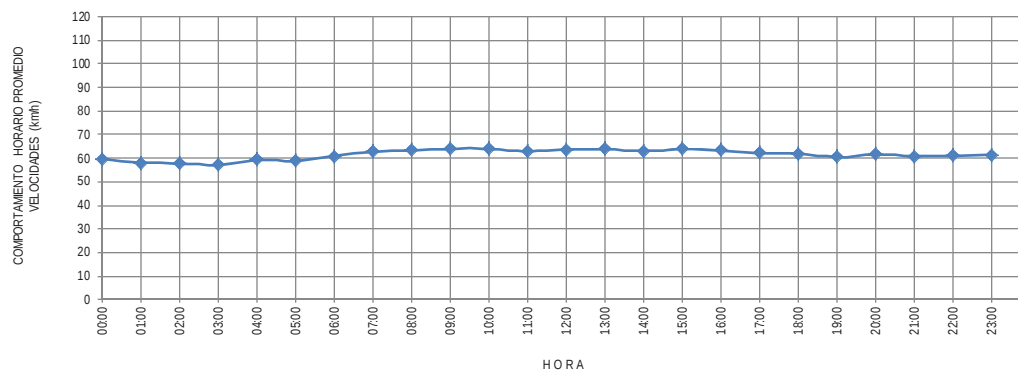


ruta: MEX-035

KM: 0.000

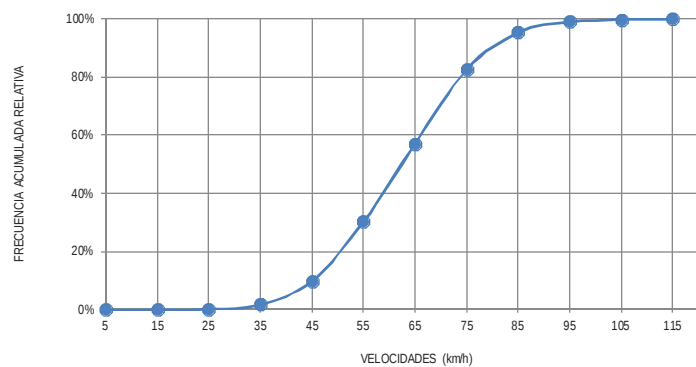
TE: 3

SC: 1



24 Carr: Zihuatanejo - La Mira

CLAVE: 00121

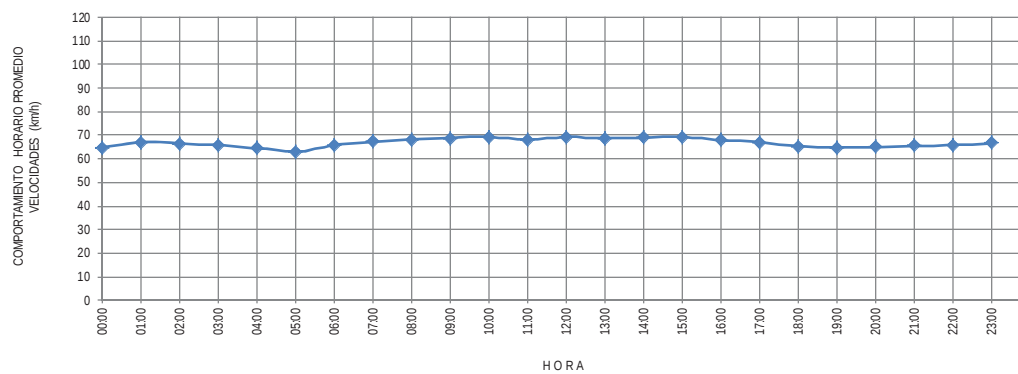


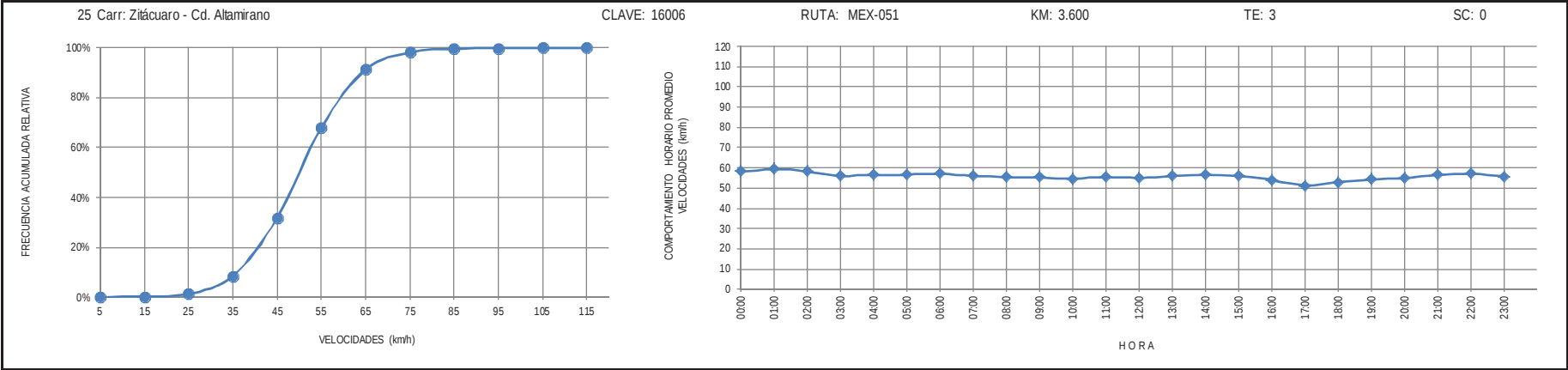
ruta: MEX-200

KM: 0.000

TE: 3

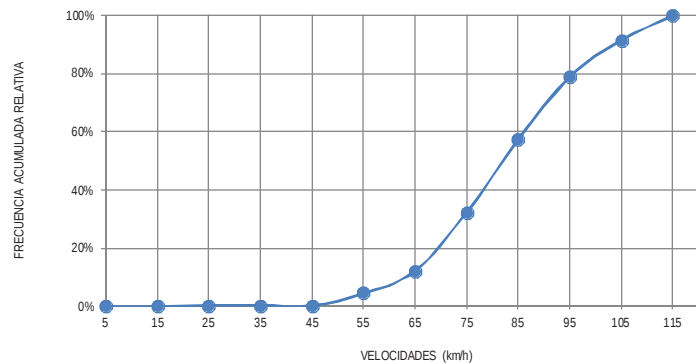
SC: 1





28 Carr: Morelia - Salamanca (Cuota)

CLAVE: 00124

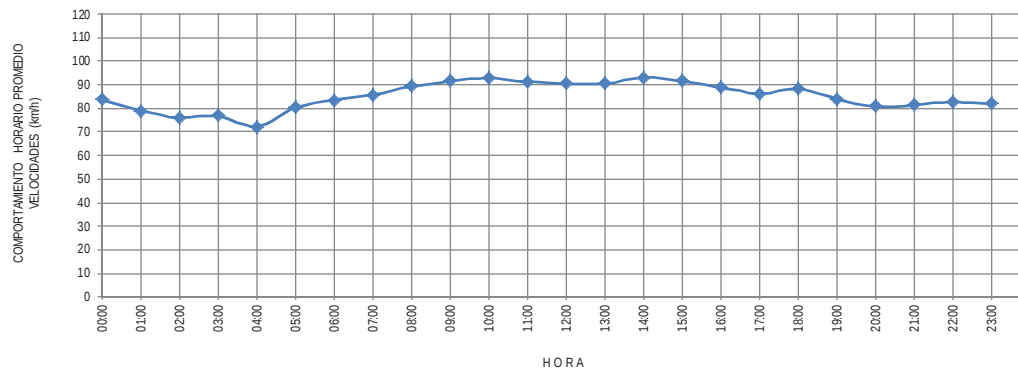


ruta: MEX-043D

KM: 0.000

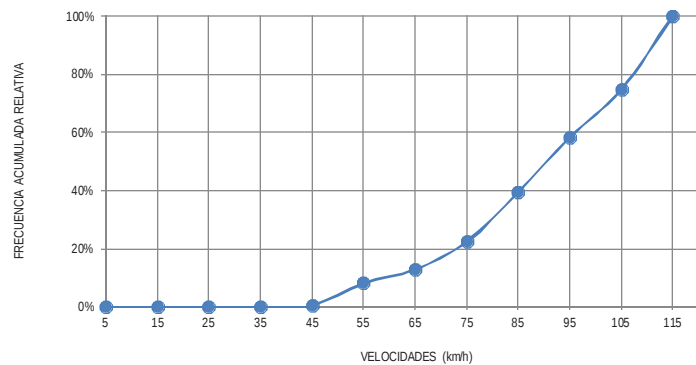
TE: 3

SC: 0



29 Carr: Nueva Italia - Lázaro Cárdenas (Cuota)

CLAVE: 00032

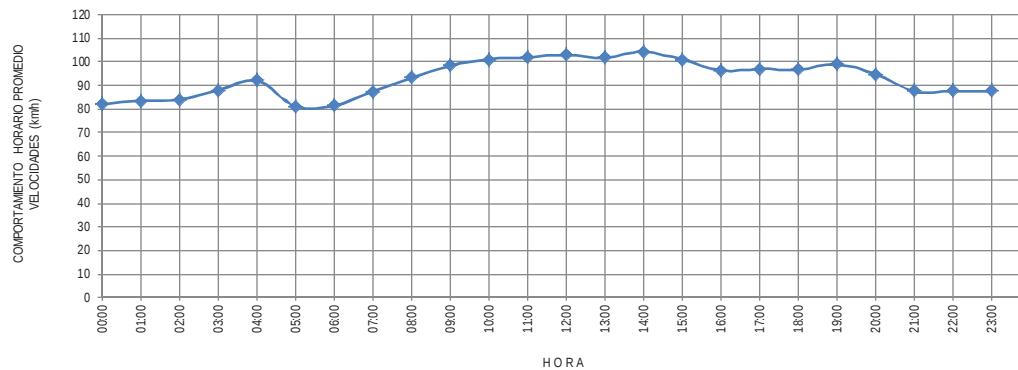


ruta: MEX-014D

KM: 59.400

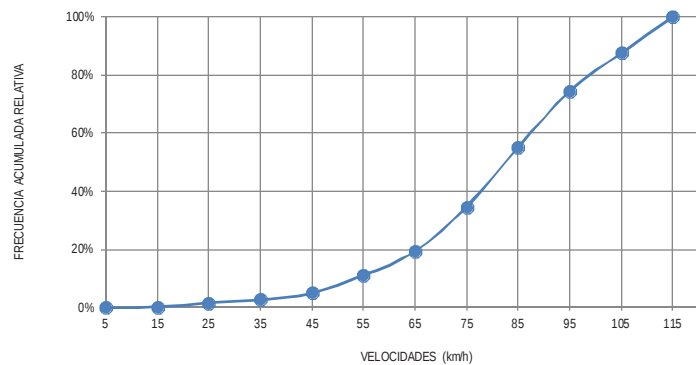
TE: 3

SC: 0



30 Carr: Pátzcuaro - Uruapan (Cuota)

CLAVE: 16011

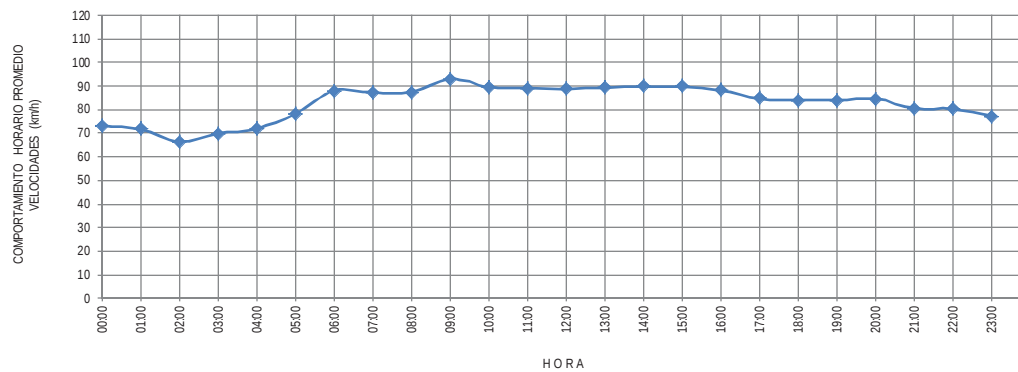


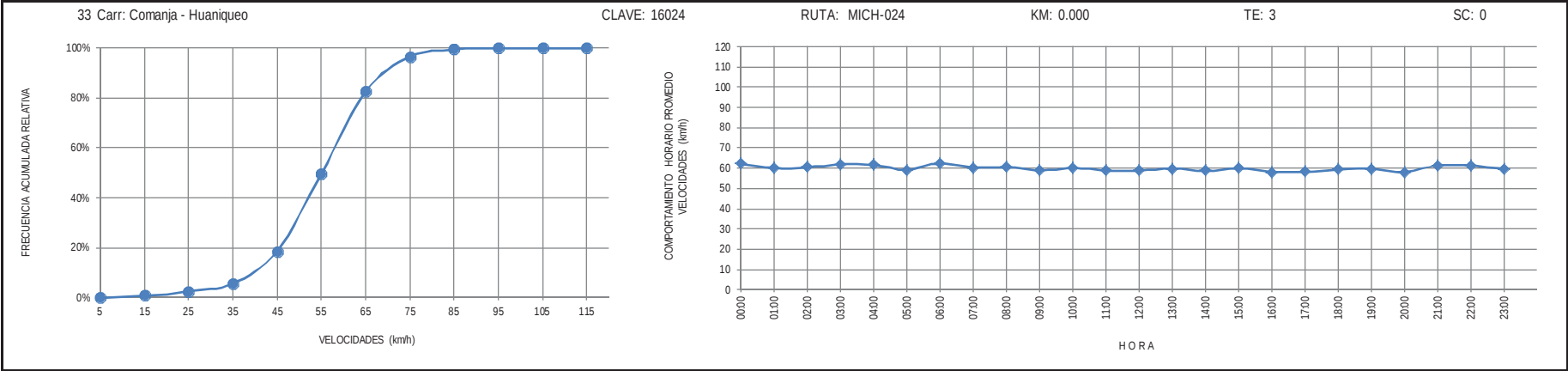
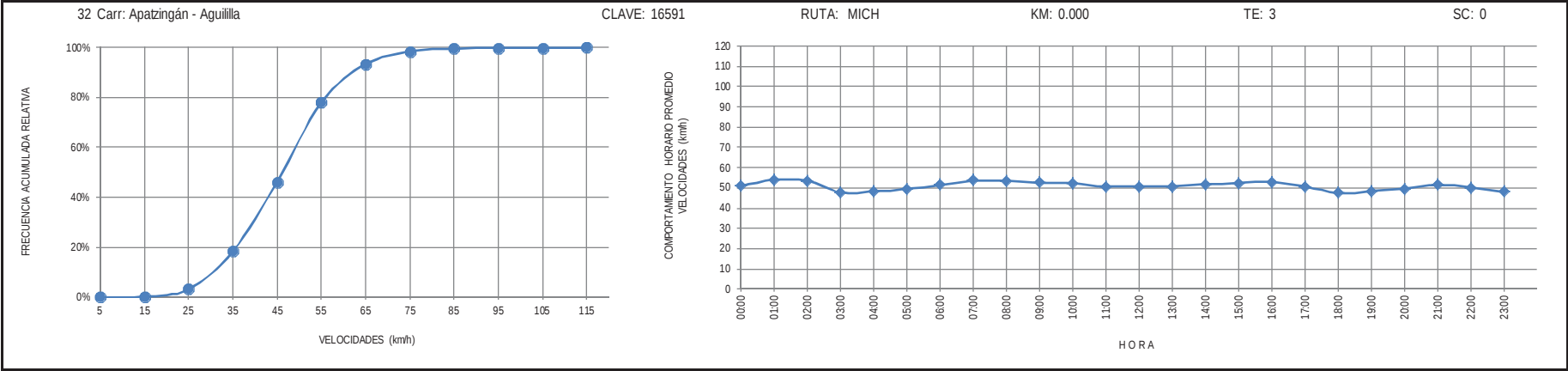
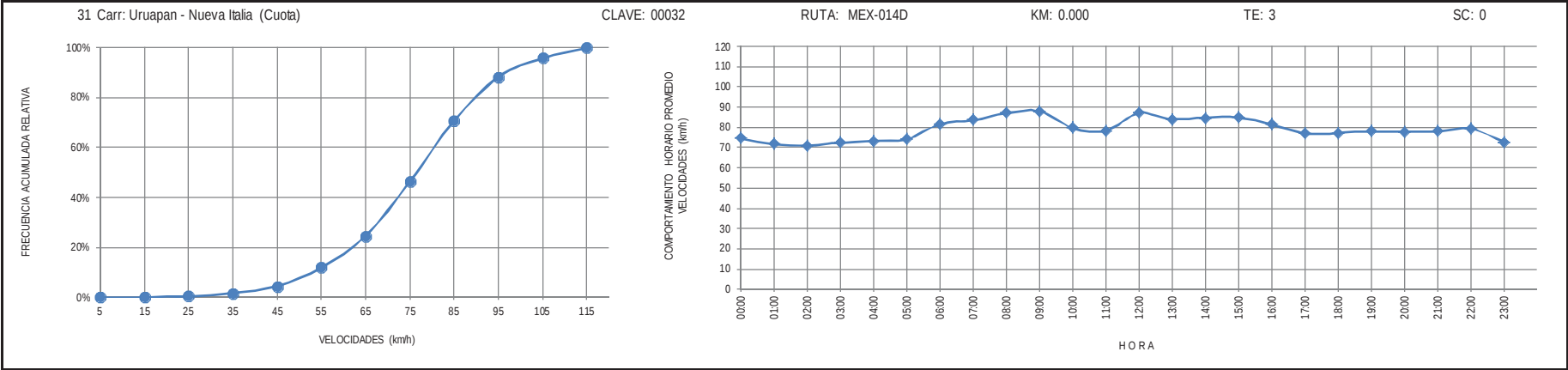
ruta: MEX-14D

KM: 0.000

TE: 3

SC: 0





34 Carr: Cotija - Emiliano Zapata

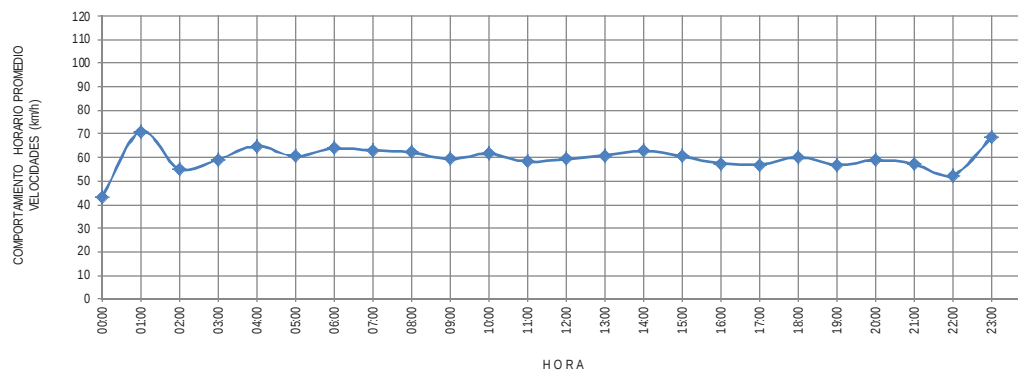
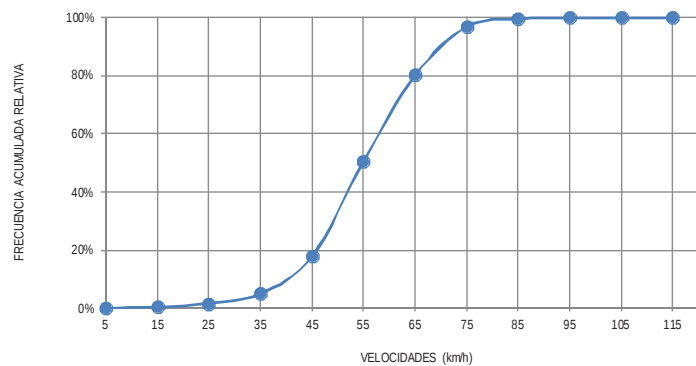
CLAVE: 16024

RUTA: MICH

KM: 0.000

TE: 3

SC: 0



35 Carr: Cuitzeo - Zinápapo

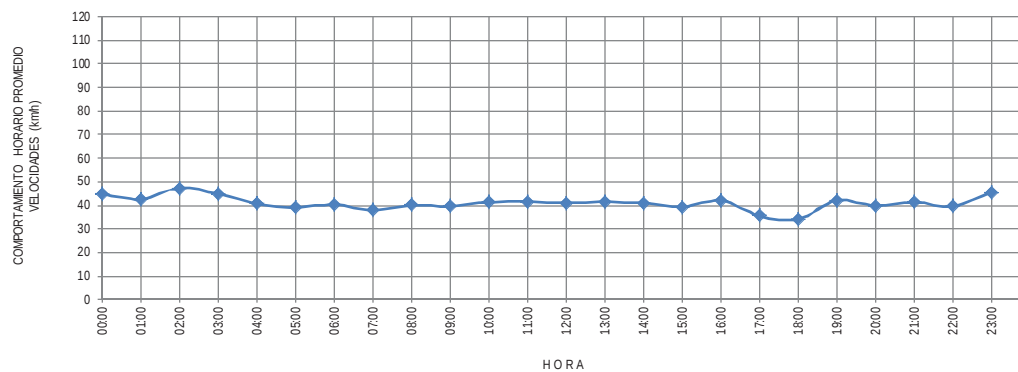
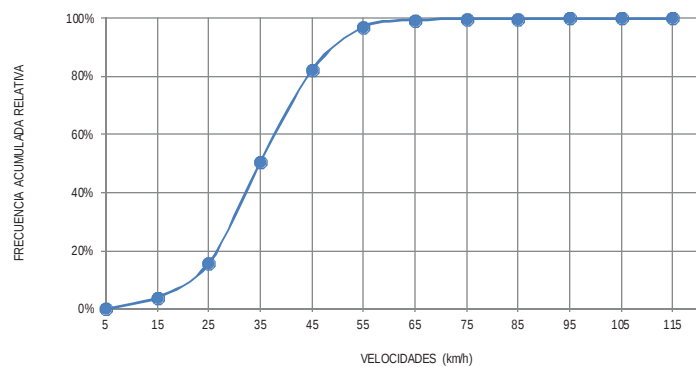
CLAVE: 16027

RUTA: MICH-027

KM: 0.000

TE: 3

SC: 1



36 Carr: El Correo - Lagunillas

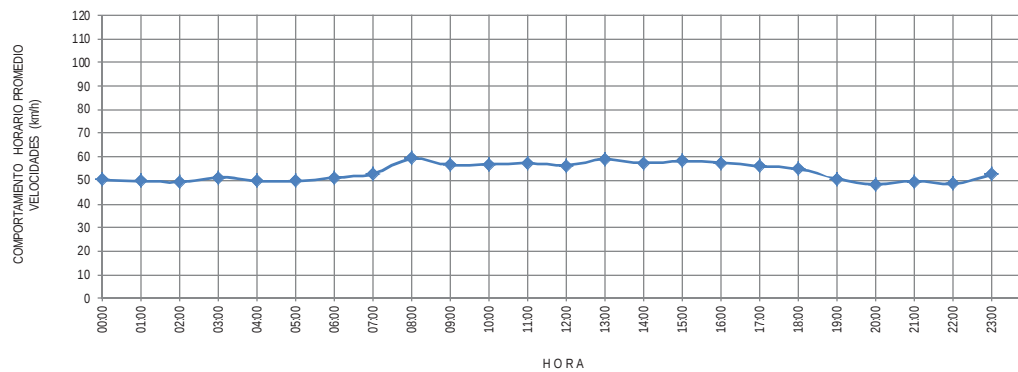
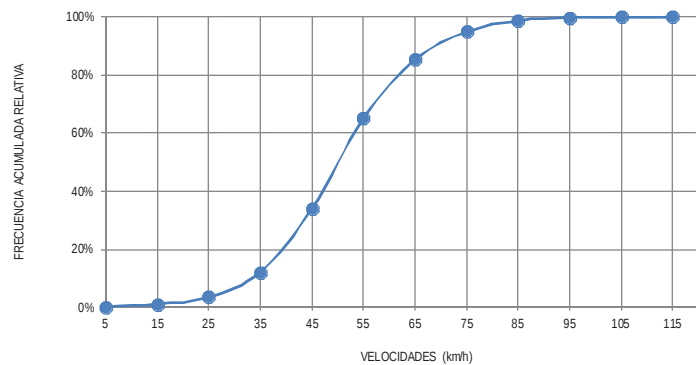
CLAVE: 16014

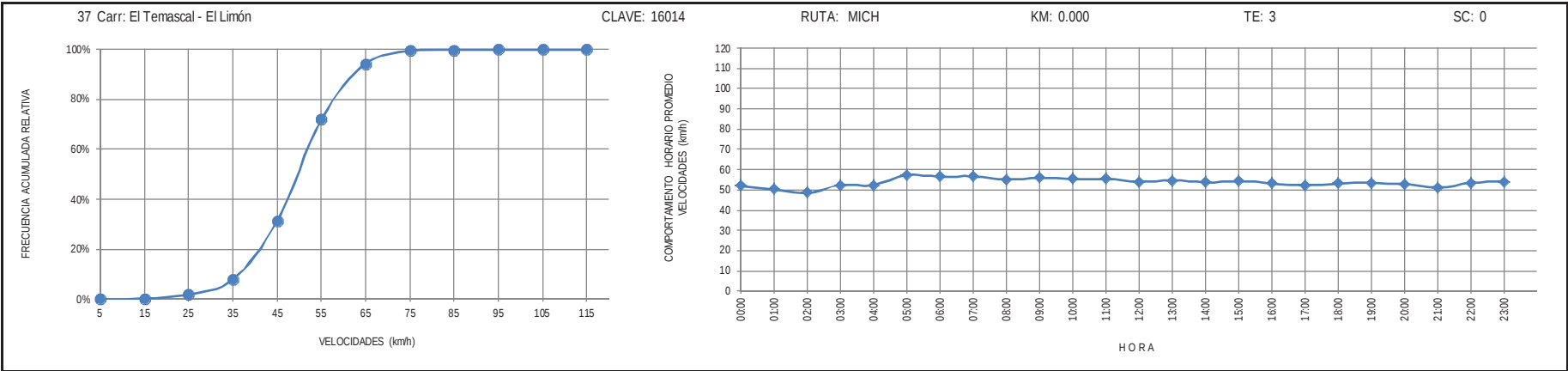
RUTA: MICH

KM: 0.000

TE: 3

SC: 0





40 Carr: La Paz - Tepetongo

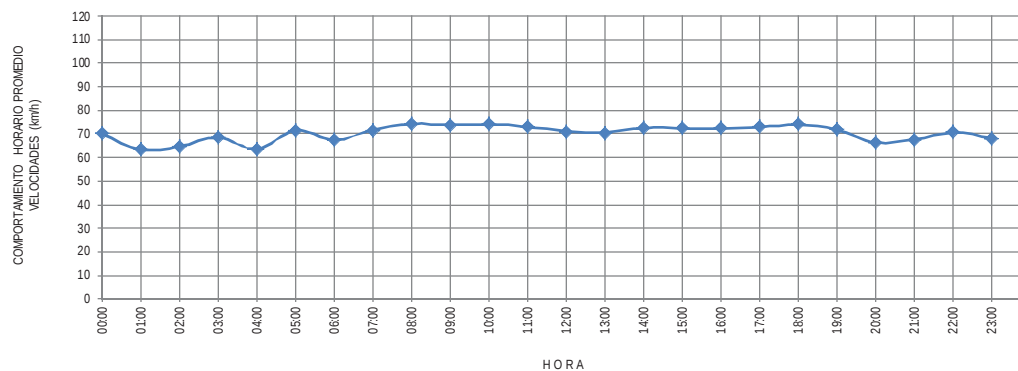
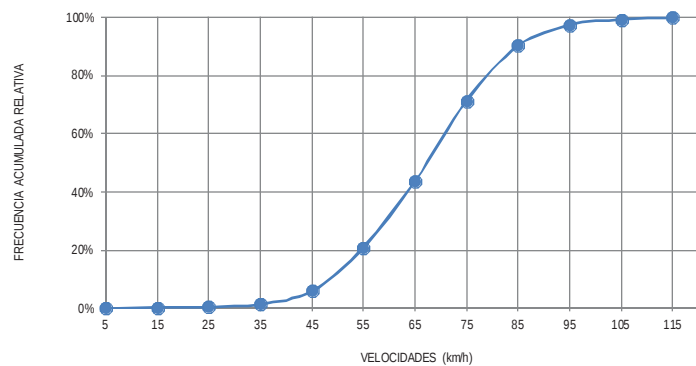
CLAVE: 16557

RUTA: MICH

KM: 0.000

TE: 3

SC: 0



41 Carr: Libramiento de Uruapan

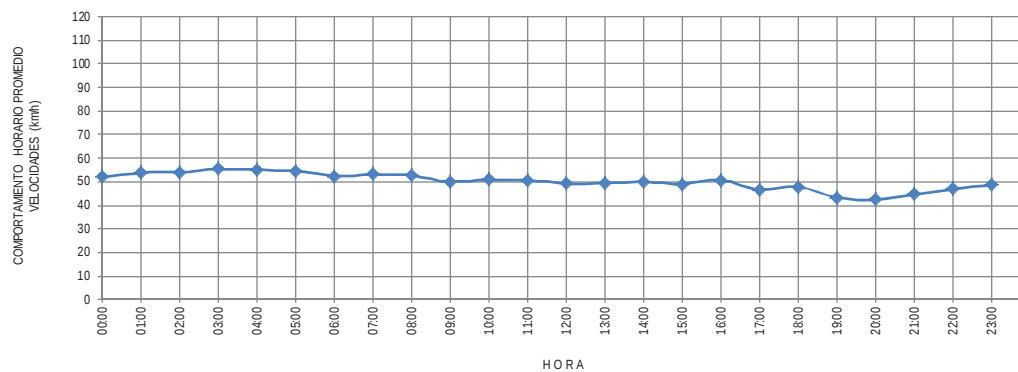
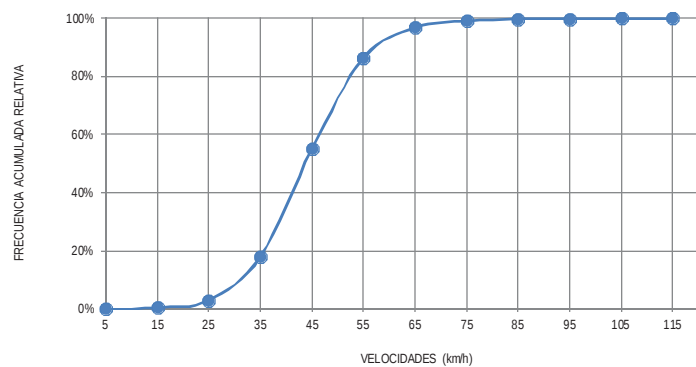
CLAVE: 16425

RUTA: MICH

KM: 0.000

TE: 3

SC: 0



42 Carr: Pátzcuaro - Chupícuaro

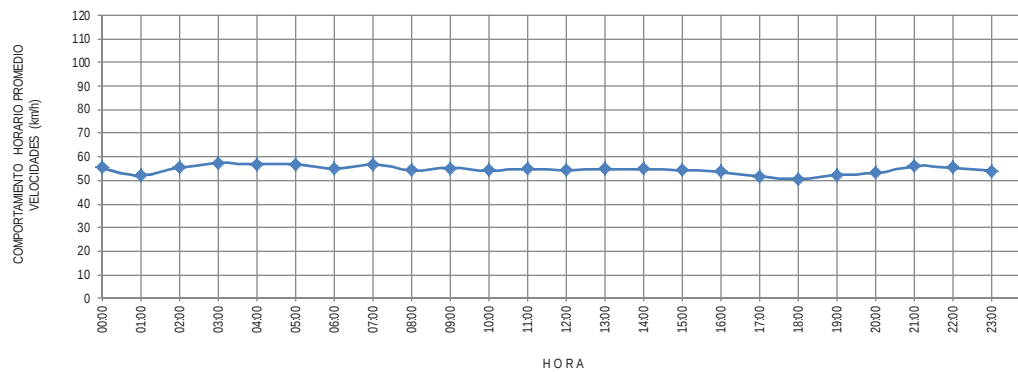
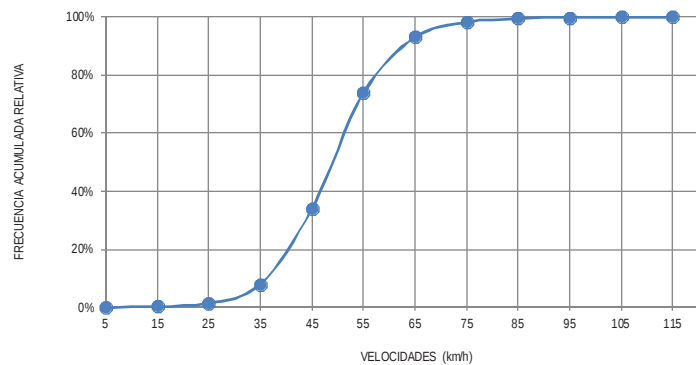
CLAVE: 16241

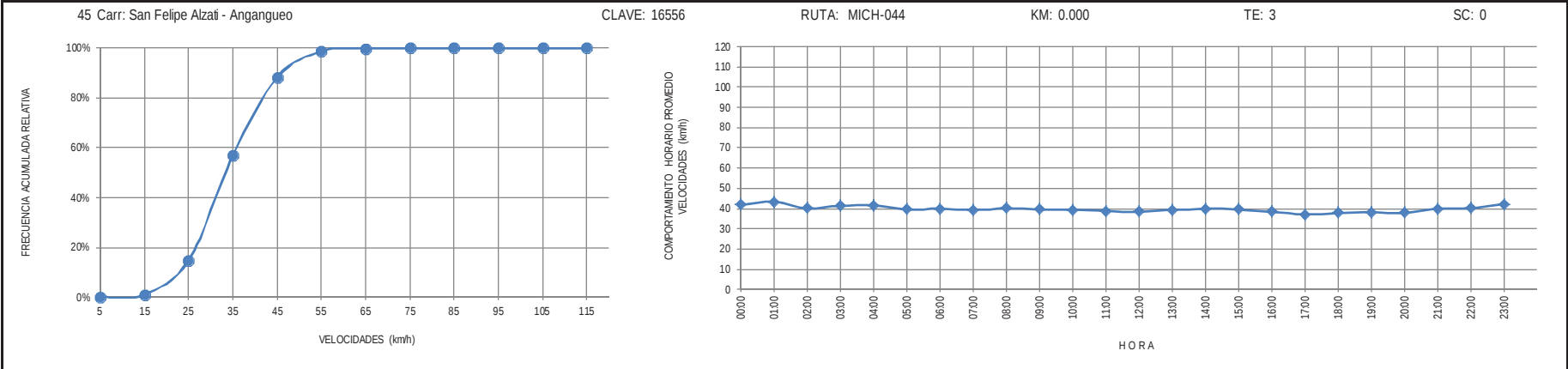
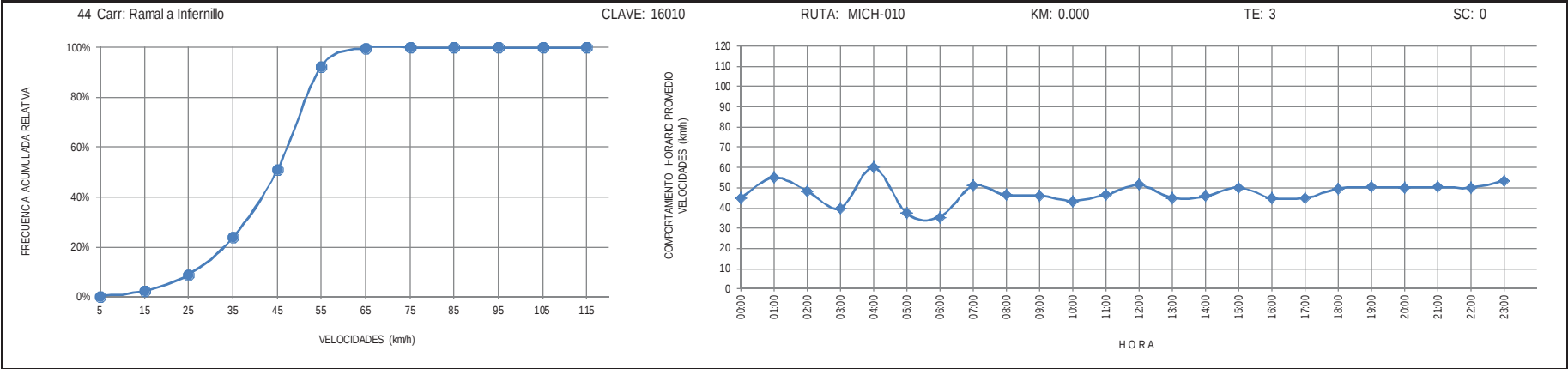
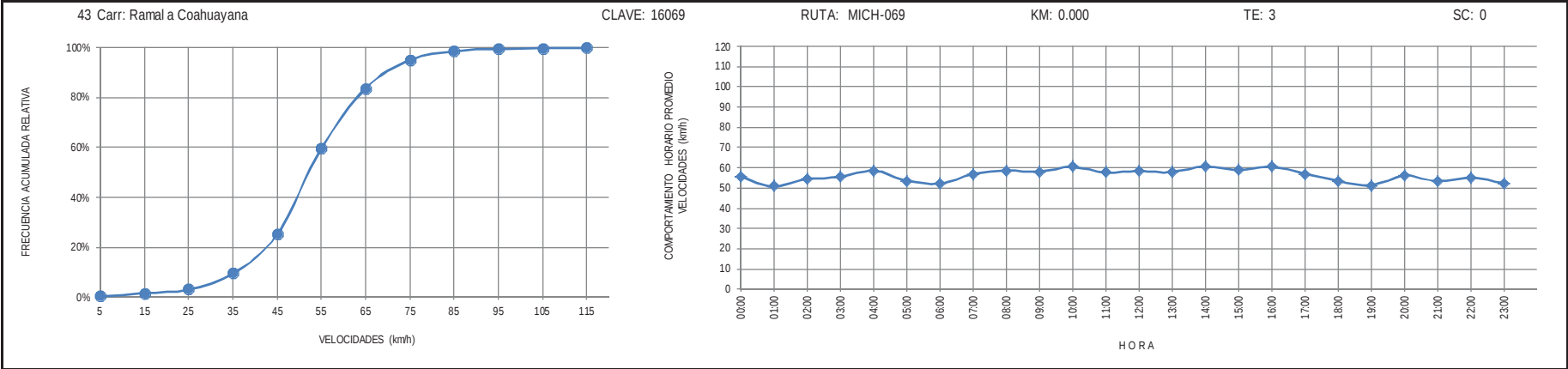
RUTA: MICH

KM: 0.000

TE: 3

SC: 0





46 Carr: San Juan Tumbio - Cherán

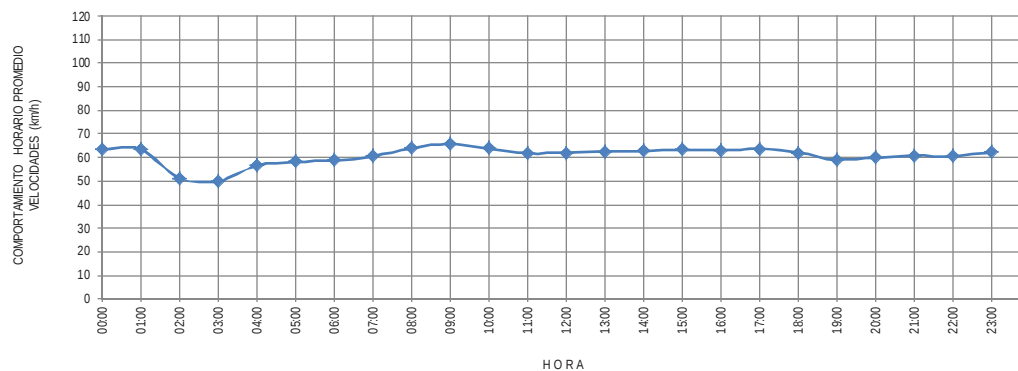
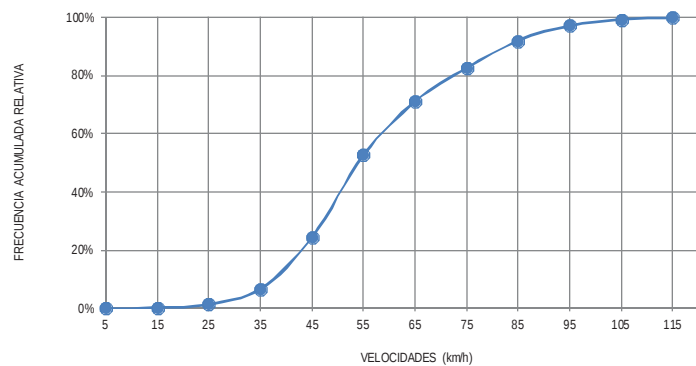
CLAVE: 16556

ruta: MICH

KM: 0.000

TE: 3

SC: 0



47 Carr: T. C. (Carapan - Playa Azul) - Peribán de Ramos

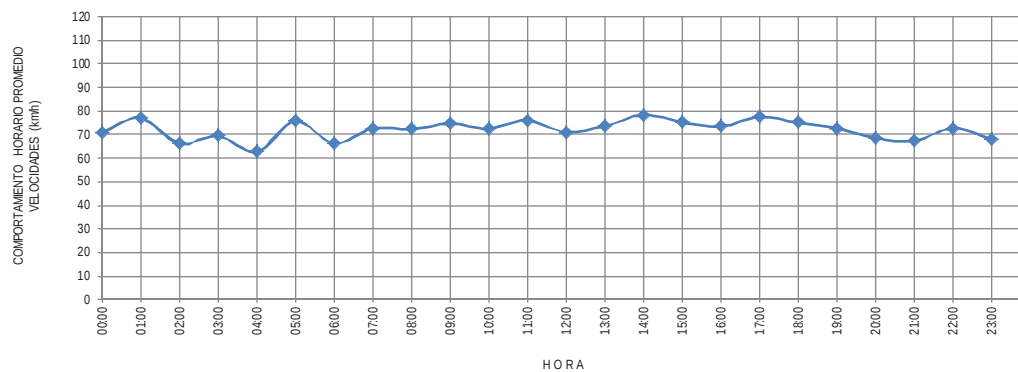
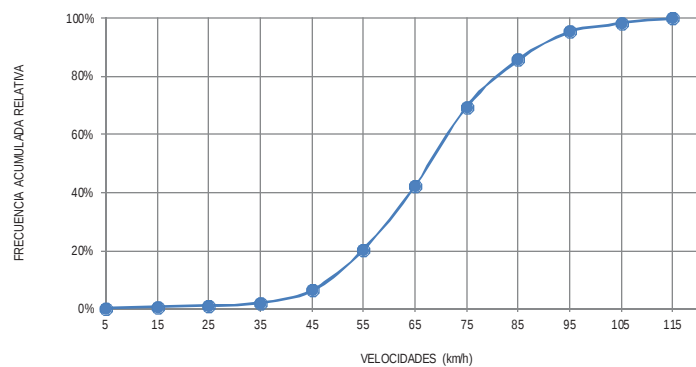
CLAVE: 16556

ruta: MICH

KM: 0.000

TE: 3

SC: 0



48 Carr: T. C. (Toluca - Morelia) - Maravatío

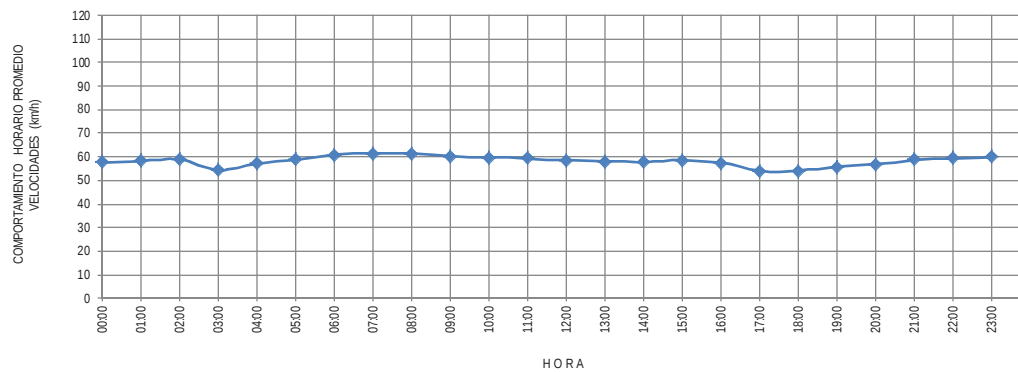
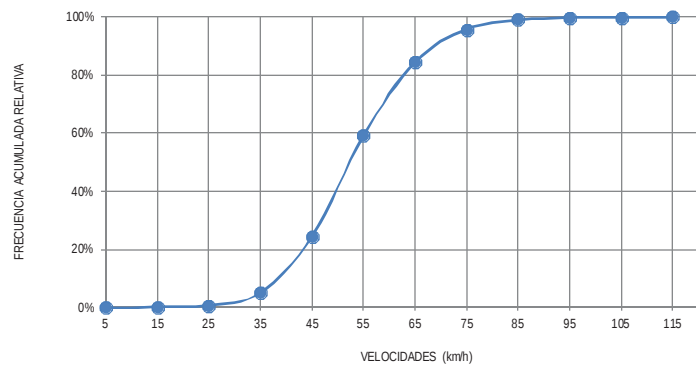
CLAVE: 16584

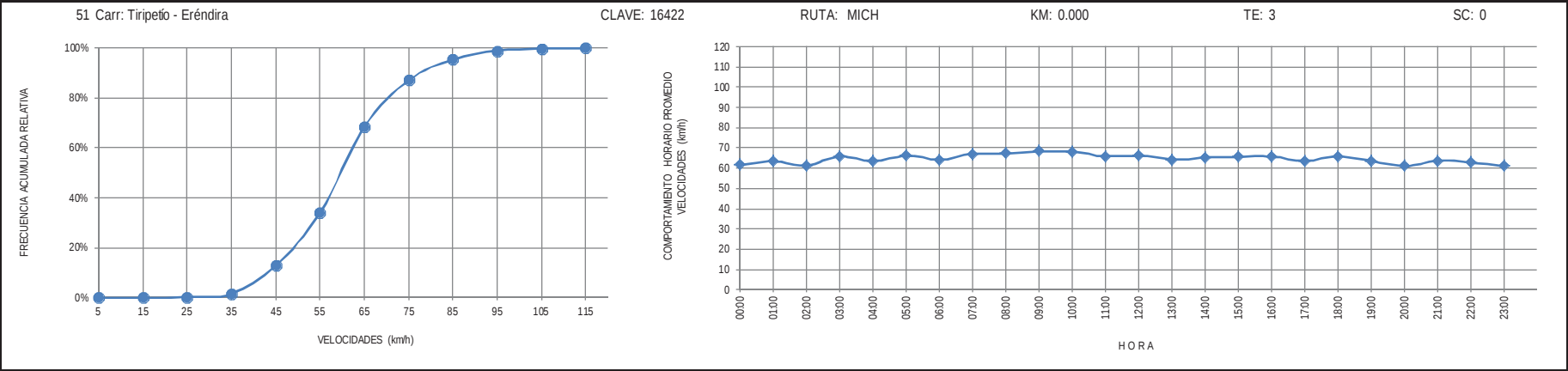
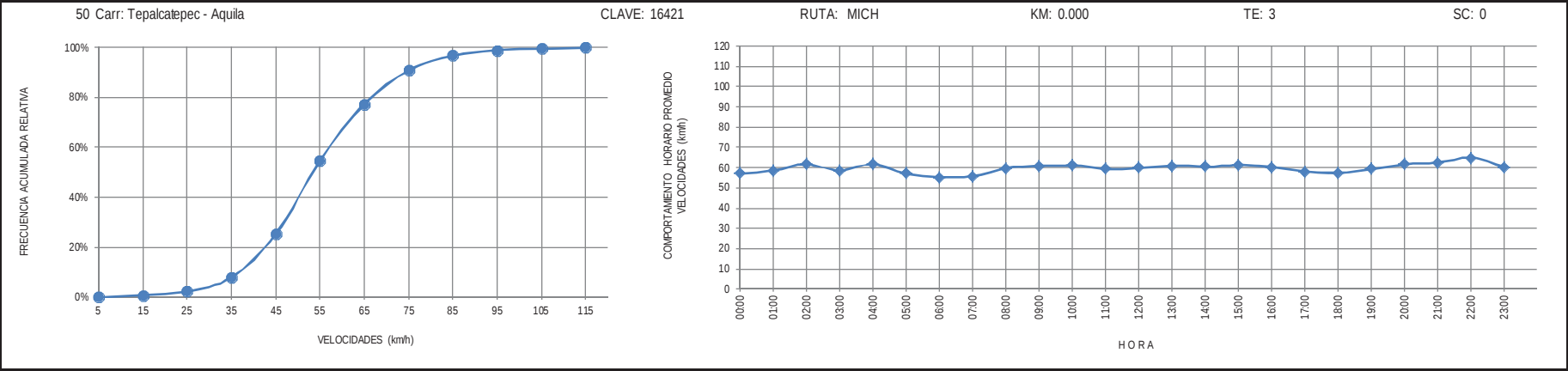
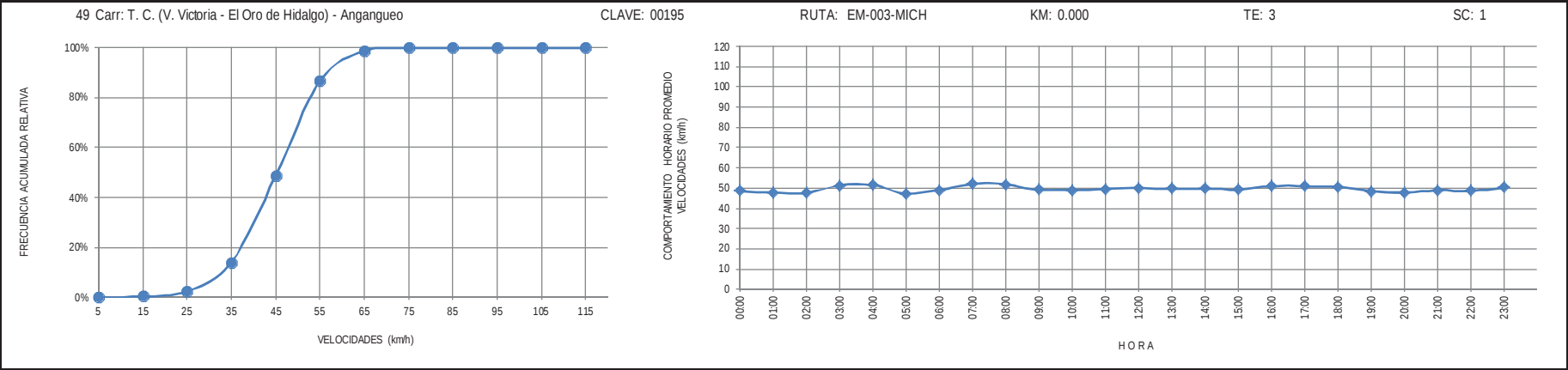
ruta: MICH-122

KM: 0.000

TE: 3

SC: 0





52 Carr: Tocuambo - Cotija

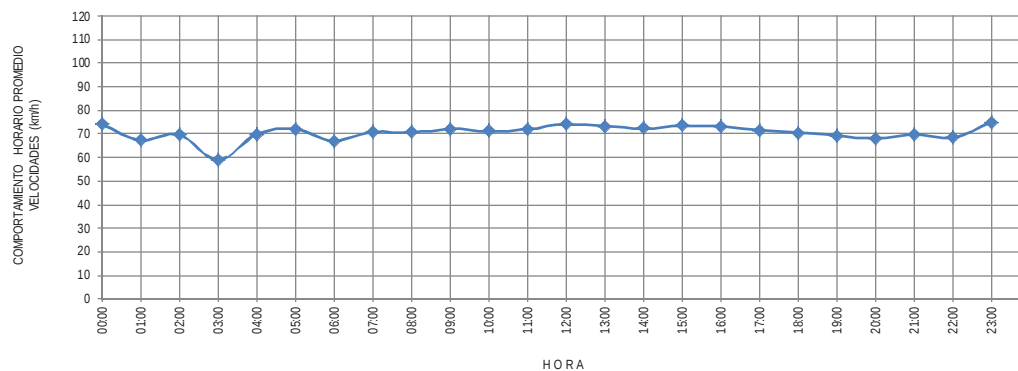
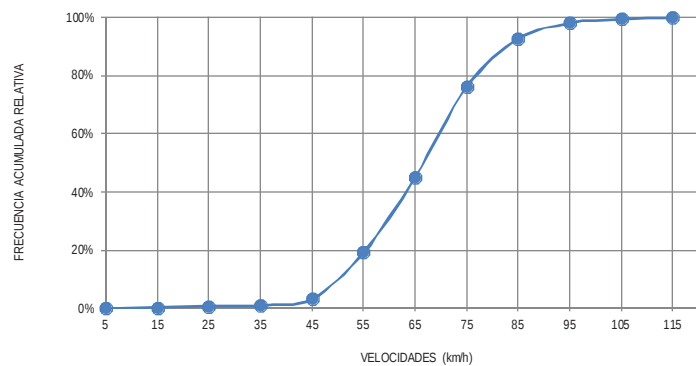
CLAVE: 16042

RUTA: MICH-042

KM: 0.000

TE: 3

SC: 0



53 Carr: Ucareo - T. C. (Toluca - Morelia)

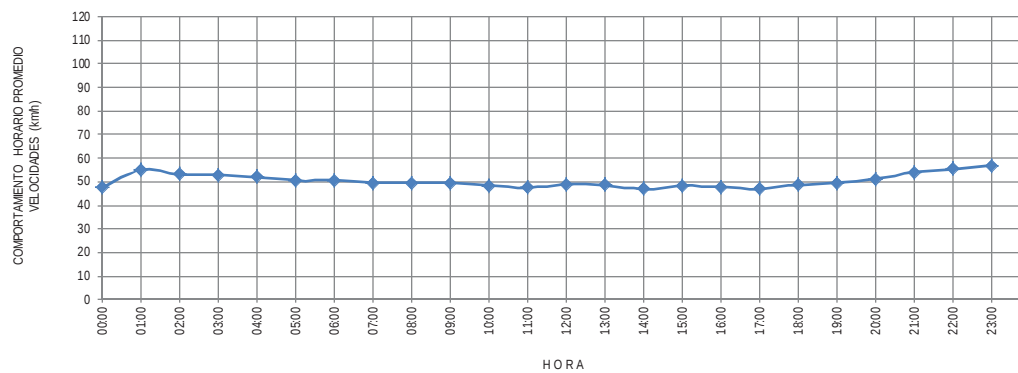
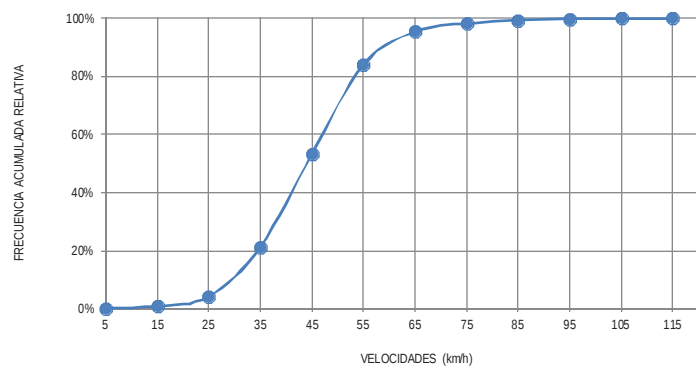
CLAVE: 00448

RUTA: MICH

KM: 0.000

TE: 3

SC: 0



54 Carr: Uruapan - El Copetiro

CLAVE: 00448

RUTA: MICH

KM: 0.000

TE: 3

SC: 0

