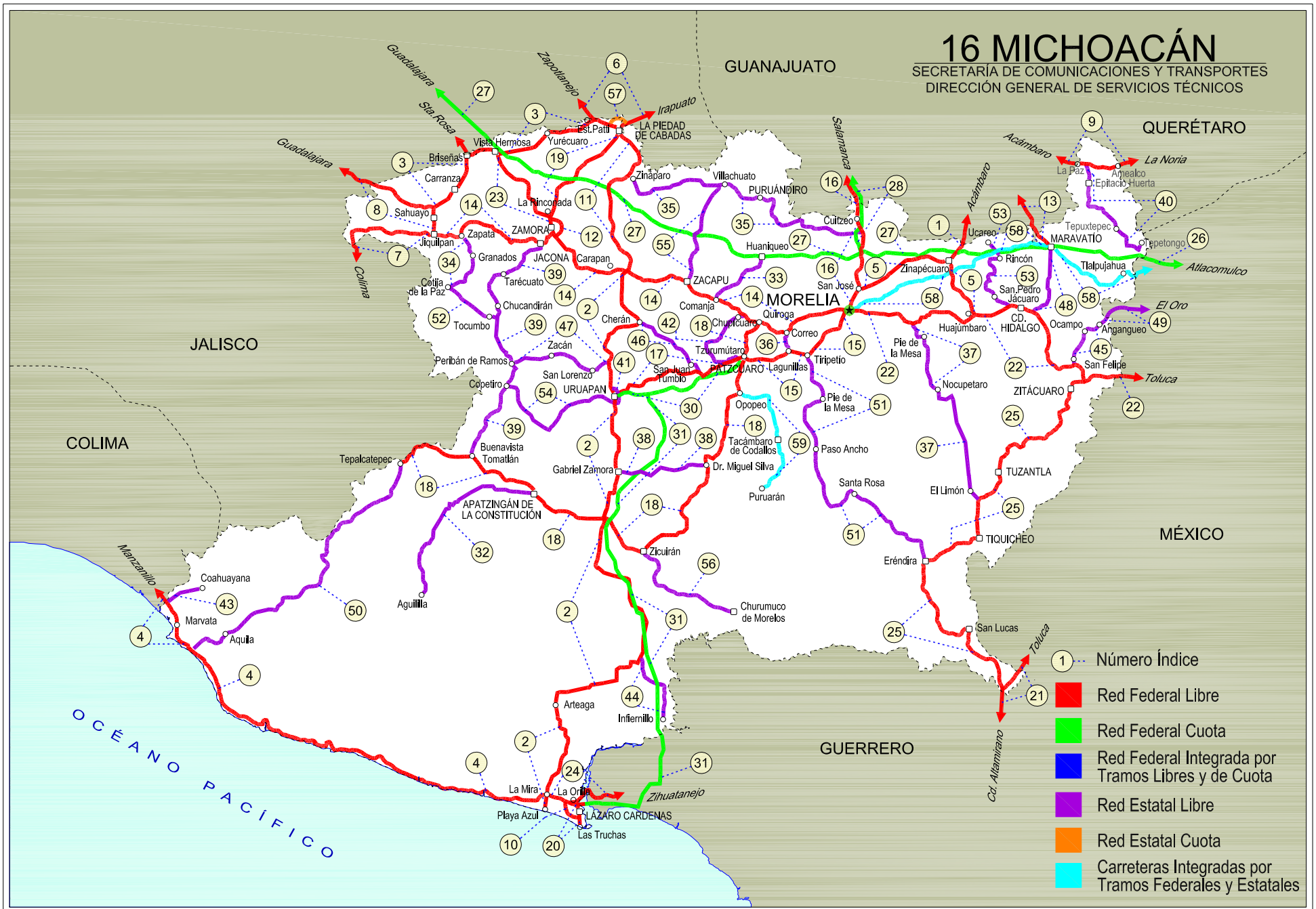


MICHOACAN

NO. INDICE	CARRETERA	ruta
---RED FEDERAL LIBRE---		
1	Acámbaro - Zinapécuaro	MEX-120
2	Carapan - Playa Azul	MEX-037
3	Ent. Patti - Sahuayo	MEX-110
4	Ent. Playa Azul - Manzanillo	MEX-200
5	Huajúbaro - 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---		
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27	Maravatío - Zapotlanejo (Cuota)	MEX-015D
28	Morelia - Salamanca (Cuota)	MEX-090D
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 - Zinápapo	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 - Chupicuaro	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 - Aquila	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---		
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SECRETARÍA DE COMUNICACIONES Y TRANSPORTES
DIRECCIÓN GENERAL DE SERVICIOS TÉCNICOS



- 1 Número Índice
- Red Federal Libre
- Red Federal Cuota
- Red Federal Integrada por Tramos Libres y de Cuota
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- Red Estatal Cuota
- Carreteras Integradas por Tramos Federales y Estatales

MICHOACAN

1 C A R R : Acámbaro - Zinapécuaro

CLAVE: 00417

RUTA: MEX-120

AÑO: 2012

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	5254	65.6	75.3	91.7	11.4	60.9	66.8	80.3	7.6	62.1	72.7	87.8	12.2	19.999800	-100.730355
Lim. Edos. Term. Gto. Ppia. Mich.	12.80																	
Zinapécuaro	25.00	1	0	4589	57.7	65.5	80.5	10.1	55.2	58.0	65.0	4.5	53.4	62.8	79.9	11.3	19.875343	-100.816755

2 C A R R : Carapan - Playa Azul

CLAVE: 16126

RUTA: MEX-037

AÑO: 2012

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	4617	45.2	50.6	60.9	6.9	41.2	47.3	54.0	8.3	38.5	44.9	54.6	9.2	19.851097	-102.031480
Uruapan	72.03	1	1	8372	63.6	69.7	82.6	8.3	54.0	60.5	73.3	7.9	52.8	61.3	74.3	9.9	19.449529	-102.076342
Uruapan	72.03	1	2	8611	67.3	76.5	93.5	11.5	58.3	66.7	81.4	10.0	56.9	67.1	83.0	11.4	19.449532	-102.076343
Uruapan	72.03	3	0	8055	62.1	81.4	104.2	18.1	57.4	76.0	93.7	15.4	57.1	77.8	103.9	17.5	19.367168	-102.056896
Gabriel Zamora	113.68	1	0	6338	71.7	82.6	100.8	12.3	66.7	74.9	88.4	10.6	65.6	76.6	94.6	12.6	19.177825	-102.063666
X. C. Quiroga - Tepalcatepec	137.78	1	1	10514	64.1	72.3	87.5	10.0	60.0	68.9	81.6	10.5	58.2	68.2	83.3	11.7	18.995625	-102.103730
X. C. Quiroga - Tepalcatepec	137.78	1	2	10371	61.8	71.3	87.4	11.3	58.7	68.2	79.6	10.3	55.5	67.7	84.1	12.3	18.995624	-102.103733
X. C. Quiroga - Tepalcatepec	137.78	3	0	6954	42.7	47.6	61.9	8.0	41.1	47.6	54.4	8.3	40.4	46.3	63.2	9.5	18.989166	-102.104936
San Pedro Barajas	171.49	1	0	246	78.8	90.5	103.0	12.9	57.1	54.2	82.2	4.0	66.9	82.2	94.4	14.2	18.788453	-102.054966
San Pedro Barajas	171.49	3	0	297	78.7	90.6	102.8	13.0	74.3	87.4	106.6	15.1	65.6	80.8	101.1	13.8	18.785439	-102.046629
T. Izq. Infiernillo	212.61	1	0	804	55.8	68.1	83.2	12.2	54.0	70.2	91.4	13.8	51.0	55.5	74.8	10.4	18.524682	-101.980331
T. Izq. Infiernillo	212.61	3	0	854	55.7	68.5	83.5	12.9	51.4	63.9	85.8	13.0	48.1	60.4	77.6	13.8	18.521149	-101.981224
Arteaga	274.50	1	0	1460	32.9	49.9	54.3	15.8	43.7	52.5	58.1	12.6	43.2	52.2	56.5	12.1	18.374822	-102.291406
T. Izq. Zihuatanejo	333.80	1	0	3196	54.7	60.6	72.1	7.1	52.8	57.6	64.9	7.1	51.2	54.6	66.9	8.4	18.046178	-102.328641
T. Izq. Zihuatanejo	333.80	3	0	5998	54.7	60.4	71.7	7.0	52.5	58.9	69.3	8.2	50.7	57.9	72.2	10.1	18.029802	-102.328559
Playa Azul	340.70	1	0	3655	59.2	66.2	82.5	9.6					57.2	63.3	90.8	9.1	17.987800	-102.353634

3 C A R R : Ent. Patti - Sahuayo

CLAVE: 16181

RUTA: MEX-110

AÑO: 2012

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	10554	49.5	57.5	82.9	11.2	46.0	56.8	74.1	11.4	42.7	52.4	70.3	11.2	20.374709	-102.113593
T. Izq. Zamora	44.26	1	0	7949	59.4	67.4	83.2	10.1	54.9	61.8	73.6	8.0	54.1	61.6	78.4	9.4	20.266152	-102.468733
Vista Hermosa	44.98	3	0	10908	69.8	84.8	107.0	16.3	76.5	92.4	113.8	15.6	66.6	82.9	106.2	17.0	20.278390	-102.488533
Briseñas	55.90	3	0	6844	67.8	77.3	94.6	11.4	63.0	71.8	86.4	10.1	62.2	72.1	91.2	11.6	20.265054	-102.570964
Cumuatillo	71.87	3	0	6533	71.3	84.4	101.0	14.1	70.3	85.4	103.8	15.2	64.6	81.5	104.9	15.6	20.146403	-102.627418
T. C. Jiquilpan - Guadalajara	88.00	1	0	12265	58.9	66.4	82.3	9.9	55.1	62.1	74.2	8.2	54.7	62.4	80.1	9.5	20.081451	-102.713453

MICHOACAN

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

CLAVE: 00495

RUTA: MEX-200

AÑO : 2012

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	3832	58.1	68.3	85.8	11.6	58.0	70.2	85.0	12.4	55.4	63.2	82.2	8.9	18.020571	-102.342236
Caleta de Campos	50.24	1	0	1621	57.9	67.9	85.0	11.5	56.6	64.7	82.0	9.2	54.4	66.2	83.9	12.7	18.077353	-102.745854
Tizupan	106.60	1	0	725	63.4	75.8	90.8	13.9	60.2	71.2	87.6	12.0	59.0	65.0	86.5	9.1	18.226653	-103.126330
Maruata	149.75	1	0	1166	58.0	68.3	87.2	11.7	57.2	65.3	82.6	9.3	54.5	60.7	79.8	8.0	18.273415	-103.341893
Maruata	149.75	3	0	989	72.6	92.1	114.9	18.0	70.1	84.3	105.5	16.3	71.0	86.8	110.3	16.2	18.279083	-103.353737
T. Der. Aquila	190.10	3	0	2386	86.3	103.9	135.2	17.2	77.7	98.1	118.2	18.2	75.0	99.0	124.7	20.9	18.566513	-103.623376
Lim. Edos. Term. Mich. Ppia. Col.	229.60																	
Cerro de Ortega	233.20	1	0	4876	91.4	104.9	129.8	14.9	82.6	94.5	113.3	14.2	86.2	99.2	119.3	14.1	18.744667	-103.724028
El Balcón	242.95	1	0	5513	92.7	105.7	130.3	14.3	82.6	94.4	114.9	14.3	88.3	100.5	123.6	13.8	18.783097	-103.771102
El Balcón	242.95	3	0	5481	91.2	104.8	127.7	14.8	82.3	95.2	113.9	14.8	85.6	97.3	117.4	13.2	18.785288	-103.777162
Cofradía de Morelos	252.45	1	0	7696	45.1	51.7	67.6	7.9	46.2	53.0	68.0	8.8	43.2	51.3	68.4	9.9	18.860118	-103.834944
Cofradía de Morelos	252.45	3	1	4887	76.4	88.0	102.6	12.5	70.2	80.6	97.3	11.6	65.6	78.7	97.8	12.6	18.872089	-103.842774
Cofradía de Morelos	252.45	3	2	4980	93.5	114.5	139.5	19.6	101.0	121.6	142.0	18.4	91.5	114.6	140.9	22.2	18.872132	-103.842800
T. C. Colima - Ent. Tecmán	263.75	1	1	5619	77.4	91.9	111.2	15.1	72.0	85.9	104.7	15.0	71.3	84.4	105.8	14.6	18.892146	-103.855851
T. C. Colima - Ent. Tecmán	263.75	1	2	5526	77.3	94.6	114.4	18.0	73.8	89.1	107.8	14.9	72.6	90.0	110.2	17.0	18.892178	-103.855858
T. Der. Rincón de López	269.25	1	0	6204	41.2	46.6	59.3	8.0	37.0	43.5	53.2	8.0	35.0	41.7	53.8	8.0	18.951007	-103.946348
Armería	272.50	1	0	6021	55.8	64.8	82.1	10.9	53.5	60.4	71.2	8.4	51.8	60.1	73.8	10.1	18.937790	-103.950992
T. Izq. Cuyutlán	278.17	1	0	5423	82.1	98.6	118.6	16.8	79.5	92.5	105.6	14.4	80.7	92.6	107.6	13.5	18.935604	-104.018729
Santa Rita	292.50	1	0	5602	58.9	67.4	98.4	9.8	59.6	66.6	92.7	8.4	59.1	62.9	91.1	7.8	19.009551	-104.082783
Santa Rita	292.50	3	0	6709	70.7	81.3	96.3	11.8	66.2	73.5	84.7	9.1	63.1	71.4	89.1	10.2	19.013212	-104.102895
Las Nuevas Juntas	310.65	1	0	6026	56.8	64.7	82.6	10.1	50.9	58.5	70.0	9.7	50.5	55.8	71.5	9.4	19.042961	-104.218612
T. Der. Libramiento de Manzanillo (Libre)	312.65	1	0	10236	67.5	83.3	108.9	15.3	63.5	79.3	100.3	14.1	62.7	78.3	106.6	15.3	19.055443	-104.235277
T. Der. Libramiento de Manzanillo (Libre)	312.65	3	0	4899	50.1	58.6	74.3	10.6	45.8	55.1	69.0	11.4	44.3	55.0	74.4	12.6	19.055712	-104.243065
Manzanillo	321.12	1	0	6987	67.3	83.1	109.0	15.4	61.5	74.0	91.3	11.6	65.2	82.7	112.1	16.0	19.049464	-104.291989

5 C A R R : Huajúbaro - San José

CLAVE: 16555

RUTA: MEX-051-120

AÑO : 2012

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	4220	59.8	74.0	93.7	14.0	54.6	63.4	77.6	9.0	51.6	66.3	89.3	14.4	19.671808	-100.739833
X. C. Atlacomulco - Morelia	26.59	3	0	4706	53.6	60.9	73.7	9.0	52.1	54.9	64.8	7.0	51.1	60.0	74.4	11.0	19.823342	-100.825218
T. Der. Libramiento de Zinapécuaro	33.83	3	0	5781	69.6	76.7	91.5	9.6	66.5	73.0	83.9	8.6	65.5	73.6	85.4	9.9	19.860071	-100.846724
T. Izq. Morelia	52.50	1	0	5463	82.5	94.7	115.4	13.5	77.1	90.4	102.5	13.8	77.3	91.8	113.3	15.3	19.851252	-101.007689
T. Izq. Morelia	52.50	3	0	5582	82.6	94.9	115.9	13.6	77.7	90.9	103.3	13.9	78.1	92.5	113.2	15.4	19.844402	-101.017312
T. C. Morelia - Salamanca	71.14	1	0	18117	26.9	33.0	46.3	8.4	25.7	31.6	46.2	7.9	25.0	31.3	53.6	9.0	19.770393	-101.150539

MICHOACAN

6 C A R R : Irapuato - Zapotlanejo

CLAVE: 00114

ruta: MEX-090

AÑO : 2012

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	22878	45.2	50.7	60.5	6.7	40.8	47.1	54.3	8.3	39.1	45.7	56.8	9.3	20.653296	-101.370645
T. Izq. Querétaro - Irapuato (Cuota)	2.78	1	2	22120	40.9	44.5	54.4	7.4	37.1	42.4	52.7	7.1	35.4	42.2	53.4	8.0	20.653293	-101.370644
T. Izq. Querétaro - Irapuato (Cuota)	2.78	3	1	13517	74.9	84.8	98.4	12.0	68.7	80.4	97.2	13.4	62.7	74.5	92.2	13.1	20.645881	-101.377007
T. Izq. Querétaro - Irapuato (Cuota)	2.78	3	2	14120	87.0	98.7	113.3	12.7	78.0	89.4	104.5	12.2	73.7	84.4	102.7	12.0	20.645884	-101.377009
T. C. Libramiento Norponiente de Irapuato (Cuota)	11.00	3	1	12770	108.9	132.9	143.4	21.2	104.8	127.3	142.8	19.1	102.9	123.9	142.3	18.7	20.590116	-101.426191
T. C. Libramiento Norponiente de Irapuato (Cuota)	11.00	3	2	12870	106.2	121.1	139.1	14.7	95.2	107.3	130.6	13.2	93.5	106.5	130.2	14.0	20.590116	-101.426189
T. Der. Cuerámaro	15.00	3	1	14703	116.9	131.2	142.9	14.4	109.7	123.6	141.1	14.6	107.5	121.5	140.1	14.7	20.558235	-101.450114
T. Der. Cuerámaro	15.00	3	2	14792	72.8	81.2	91.8	10.3	66.9	72.5	79.9	8.5	69.1	73.8	82.9	8.7	20.558235	-101.450114
Abasolo	30.00	1	1	11516	98.9	123.2	141.6	23.2	91.3	107.4	135.3	17.5	89.0	103.3	131.2	16.3	20.471508	-101.503633
Abasolo	30.00	1	2	11425	85.9	101.3	123.8	14.6	77.2	92.1	112.9	14.1	75.8	88.6	108.8	12.5	20.471509	-101.503632
Abasolo	30.00	3	1	9515	92.8	111.0	126.5	18.4	84.4	97.2	113.9	15.0	83.6	94.7	112.4	13.7	20.450987	-101.555599
Abasolo	30.00	3	2	9355	86.3	96.2	110.8	11.2	74.1	81.1	90.1	8.4	76.0	82.0	92.2	7.9	20.450987	-101.555601
Pénjamo	50.65	1	1	11111	87.3	104.6	124.3	17.8	79.8	92.5	114.8	15.1	77.0	88.8	104.9	13.6	20.436637	-101.694250
Pénjamo	50.65	1	2	10368	114.7	137.7	144.0	20.1	118.2	139.0	144.2	18.3	107.2	136.3	143.8	25.6	20.436636	-101.694248
Pénjamo	50.65	3	1	10448	69.4	79.6	91.7	11.2	62.7	70.5	78.5	9.7	65.5	72.4	82.3	8.7	20.416430	-101.728517
Pénjamo	50.65	3	2	10352	85.9	103.8	127.8	17.4	81.1	94.6	112.3	14.5	77.5	91.9	113.8	15.2	20.416432	-101.728517
T. Der. Manuel Doblado	83.87	1	0	20006	50.6	63.4	87.5	13.8	46.7	57.4	76.3	12.4	47.4	58.8	75.9	11.9	20.360772	-101.997416
Lim. Edos. Term. Gto. Ppia. Mich.	85.01																	
La Piedad	87.00	3	1	12440	69.3	78.9	96.4	11.3	65.7	76.3	93.7	11.9	60.0	72.1	90.8	13.1	20.353675	-102.050884
La Piedad	87.00	3	2	12746	58.5	64.6	77.6	9.1	52.1	59.1	70.5	8.8	53.6	60.5	71.9	8.4	20.353675	-102.050884
T. Izq. Yurécuaro	100.00	3	0	8545	62.2	73.9	94.1	12.5	59.6	67.8	91.4	10.5	56.6	66.8	88.9	11.6	20.376427	-102.115156
Lim. Edos. Term. Mich. Ppia. Jal.	102.10																	
Degollado	105.40	1	0	6205	47.5	53.0	94.7	10.2	43.7	51.3	59.4	9.1	47.5	52.8	57.1	9.4	20.432075	-102.129037
Ayotlán	134.00	1	0	7222	47.7	53.2	94.8	10.3	43.4	51.2	59.7	9.2	46.8	52.6	56.7	9.5	20.518903	-102.326327
Atotonilco El Alto	157.00	1	0	5351	47.6	53.1	94.7	10.2	43.8	51.4	59.3	9.1	46.6	52.5	56.4	9.5	20.565569	-102.453114
Atotonilco El Alto	157.00	3	1	5777	35.2	42.7	54.8	9.1	38.6	47.6	54.0	9.4	36.0	43.9	53.8	9.0	20.542724	-102.528417
Atotonilco El Alto	157.00	3	2	5614	35.3	42.8	54.9	9.2	38.1	46.6	53.9	9.1	36.0	44.0	53.9	9.1	20.542725	-102.528415
X. C. San Miguel El Alto - La Barca	158.60	3	0	11635	35.2	42.7	54.8	9.1	37.2	45.5	53.7	9.1	35.5	43.7	53.8	9.1	20.540752	-102.531963
T. Izq. Ocotlán	188.00	1	0	9061	47.6	53.0	97.4	10.2	43.2	51.0	57.9	9.2	48.1	52.8	54.9	9.0	20.547451	-102.779249
T. Der. Libramiento Zapotlanejo	215.80	1	0	10938	35.2	42.7	54.8	9.1	35.5	43.5	53.4	8.9	36.3	44.8	53.8	9.3	20.622079	-103.048082
T. Der. Libramiento Zapotlanejo	215.80	3	1	6257	92.7	109.2	129.6	17.6	90.5	101.2	113.6	13.1	90.3	102.2	121.8	13.8	20.622477	-103.058890
T. Der. Libramiento Zapotlanejo	215.80	3	2	6013	88.4	105.0	124.7	18.0	87.2	96.4	107.5	11.9	86.4	97.0	116.7	12.5	20.622476	-103.058889
Zapotlanejo	217.60																	

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7 C A R R : Jiquilpan - Colima				CLAVE: 00156				RUTA: MEX-110				AÑO : 2012									
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	5251	68.8	80.3	97.4	12.7	61.4	75.3	91.1	14.4	54.1	71.9	93.4	16.5	19.995673	-102.745095
San José de Gracia				37.93	1	0	4432	71.6	83.7	103.4	13.4	66.6	78.2	94.2	12.7	66.8	79.6	99.3	13.7	20.000331	-103.015360
Lim. Edos. Term. Mich. Ppia. Jal.				41.00																	
Mazamitla				48.65	1	0	3377	47.8	53.2	104.4	10.6	44.1	51.4	54.7	9.1	45.7	52.3	58.4	9.5	19.938069	-103.015004
Mazamitla				48.65	3	0	3971	35.4	42.9	54.5	9.1	51.3	53.1	54.8	5.9	37.7	47.7	54.0	10.0	19.923628	-103.046441
T. Izq. Tamazula de Gordiano (2º Acceso)				96.70	3	0	6812	35.3	42.8	55.0	9.2	45.8	52.2	54.6	9.8	36.2	44.9	53.8	9.4	19.682870	-103.262462
T. Der. Cd. Guzmán				108.50	3	0	3367	47.9	53.4	108.3	10.9	43.9	51.2	55.0	8.9	47.1	52.6	56.4	9.3	19.645223	-103.335525
Tecalitlán				132.00	3	0	2134	47.8	53.5	101.0	10.5	39.4	44.9	53.6	8.1	45.9	52.4	57.1	9.7	19.462004	-103.319723
T. Der. Atenquique				137.67	3	0	1364	47.1	52.8	72.6	9.0	43.9	51.2	54.5	9.2	45.5	52.3	58.4	9.7	19.457538	-103.347694
Pihuamo				168.19	3	0	2333	35.6	43.2	54.4	9.1	37.7	43.8	53.2	8.4	38.4	47.6	54.0	9.5	19.253677	-103.388604
Lim. Edos. Term. Jal. Ppia. Col.				189.60																	
T. Der. Estación Alzada				198.60	3	0	1632	65.4	80.5	102.0	15.2	61.6	78.4	101.7	16.2	56.6	75.9	96.0	18.5	19.160781	-103.528878
T. Izq. Los Tepames				214.20	1	0	2085	60.0	70.4	136.1	14.5	55.2	54.7	75.0	5.3	56.8	65.3	102.1	11.3	19.174753	-103.658030
X. C. Libramiento de Colima				220.00	1	0	7062	59.7	70.7	137.6	15.4	63.1	78.1	130.7	16.9	60.6	76.0	120.1	17.0	19.208523	-103.721028
Colima				222.00	1	1	10388	57.9	65.6	79.2	10.2	50.4	58.9	72.9	10.4	50.4	60.8	74.6	11.6	19.216980	-103.721849
Colima				222.00	1	2	10356	60.1	66.8	79.9	9.2	58.2	64.8	79.5	9.6	57.0	64.9	81.5	10.5	19.216982	-103.721848

8 C A R R : Jiquilpan - Guadalajara				CLAVE: 00429				RUTA : MEX-015				AÑO : 2012									
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	9830	80.8	93.0	111.0	13.5	76.8	91.0	108.8	14.5	73.4	87.8	104.8	14.8	20.008029	-102.717294
Jiquilpan				0.00	3	2	9832	71.3	80.7	93.8	11.0	63.3	73.3	84.9	11.3	63.9	73.7	86.5	11.1	20.008027	-102.717296
Sahuayo				7.00	1	1	10533	68.0	75.7	91.0	10.3	62.0	71.4	84.0	10.7	60.4	70.9	86.4	11.7	20.033194	-102.716805
Sahuayo				7.00	1	2	10366	67.5	74.9	89.0	10.1	61.4	70.7	84.3	10.9	60.5	70.7	84.9	11.6	20.033194	-102.716805
Cojumatlán de Regules				25.94	3	0	3513	64.9	73.9	88.0	10.6	60.9	67.8	76.9	8.4	58.0	65.5	80.3	9.1	20.126849	-102.852381
Lim. Edos. Term. Mich. Ppia. Jal.				36.11																	
Tuxcueca				65.29	1	0	3336	98.6	111.2	130.9	13.7	87.3	99.2	111.2	14.0	86.5	96.0	113.5	12.2	20.149610	-103.181351
T. Der. Jocotepec				98.22	1	0	7676	98.7	115.9	136.5	17.0	90.4	102.5	119.9	14.3	88.6	101.9	124.1	14.8	20.275936	-103.445988
Ent. Santa Cruz				118.96	1	0	7762	98.6	115.7	136.5	17.0	91.9	103.1	121.7	13.5	88.0	100.8	123.2	14.3	20.421544	-103.551462
Ent. Santa Cruz				118.96	3	1	15207	97.4	113.5	133.9	15.9	93.5	102.9	124.7	11.7	89.2	99.7	123.3	12.6	20.434918	-103.549893
Ent. Santa Cruz				118.96	3	2	15017	99.6	118.0	138.5	17.8	96.3	106.6	132.4	13.1	91.8	103.7	128.9	14.1	20.434860	-103.549899
X. Periférico de Guadalajara (Baja)				140.00	1	1	19859	39.5	45.0	58.6	8.9	42.7	49.6	54.7	8.9	39.9	50.7	55.6	12.2	20.607644	-103.431377
X. Periférico de Guadalajara (Alta)				140.00	1	1	30914	58.0	64.6	76.0	9.4	54.8	59.9	68.1	6.5	47.8	57.5	71.3	11.8	20.607648	-103.431393
X. Periférico de Guadalajara (Alta)				140.00	1	2	31540	63.8	71.8	83.7	9.6	58.8	66.0	80.8	9.4	52.0	63.8	80.8	12.6	20.607651	-103.431394

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8 CARR: Jiquilpan - Guadalajara

CLAVE: 00429

ruta: MEX-015

AÑO: 2012

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
X. Periférico de Guadalajara (Baja)	140.00	1	2	20727	38.1	43.3	54.5	8.0	39.5	44.8	54.5	8.9	38.4	50.2	54.7	12.4	20.607649	-103.431393
T. C. Guadalajara - Tepic	166.00																	

9 CARR: La Noria - Acámbaro

CLAVE: 00131

ruta: MEX-120

AÑO: 2012

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
La Noria	0.00	3	0	5550	56.7	64.0	80.0	9.4	51.1	58.4	74.5	9.8	51.6	54.6	72.0	8.3	20.439602	-100.073442
Amealco	34.66	1	0	4004	68.4	80.1	102.6	12.7	62.8	70.6	91.5	9.6	63.0	75.2	103.4	13.6	20.199193	-100.150012
Amealco	34.66	3	0	4275	65.3	81.2	96.6	13.9	56.1	56.5	83.0	5.1	66.9	92.1	127.3	19.2	20.187048	-100.155114
Lim. Edos. Term. Qro. Ppia. Mich.	39.15																	
Lim. Edos. Term. Mich. Ppia. Gto.	55.90																	
Coroneo	59.35	3	0	1775	74.0	87.4	108.5	13.7	66.3	74.4	88.8	11.2	67.6	81.5	104.4	14.2	20.194999	-100.376201
Jerécuaro	79.70	3	0	4494	78.4	92.3	111.1	14.8	73.8	86.6	101.6	14.1	74.1	87.6	104.7	14.1	20.143639	-100.536587
Acámbaro	111.12	1	0	7041	55.4	63.2	79.7	9.1	53.0	53.9	64.1	4.8	52.4	61.4	80.3	10.8	20.046352	-100.707055

10 CARR: La Orilla - Las Truchas

CLAVE: 16557

ruta: MEX-200

AÑO: 2012

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. Zihuatanejo - La Mira	0.00	3	0	13545	42.2	46.5	59.2	7.4	40.8	44.6	54.0	7.3	36.3	41.5	53.2	6.9	17.992381	-102.232201
Lazáro Cárdenas	5.50	1	0	4023	73.7	87.7	101.9	14.8	71.0	80.5	97.6	11.6	63.2	74.0	84.9	10.3	17.961742	-102.219501
Las Truchas	9.00	1	0	5713	34.9	39.6	51.6	6.0	33.8	35.0	52.3	6.0	34.8	41.0	56.4	8.1	17.950243	-102.189924

11 CARR: La Piedad - Carapan

CLAVE: 16476

ruta: MEX-037

AÑO: 2012

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
La Piedad	0.00	3	1	7864	51.9	63.9	83.4	14.8	55.7	63.6	73.7	9.4	55.8	64.9	74.7	11.6	20.320147	-102.018538
La Piedad	0.00	3	2	7743	54.1	64.4	82.9	13.4	52.2	57.3	65.2	8.0	52.5	59.6	72.0	9.4	20.320147	-102.018539
T. Izq. Puruándiro	24.45	3	0	2686	57.4	76.7	101.9	17.3	46.6	53.9	77.8	13.1	47.1	68.0	94.6	18.0	20.173659	-102.001142
Purépero	64.00	1	0	4618	70.8	90.2	118.8	18.0	58.3	62.8	88.4	7.5	64.7	85.5	118.1	17.8	19.919099	-102.027436
T. C. Morelia - Jiquilpan	72.61	1	0	4224	70.9	90.4	118.6	17.8	57.5	61.2	80.8	6.5	63.7	82.0	116.5	16.5	19.849156	-102.000778

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12 C A R R : Libramiento Oriente de Zamora				CLAVE:				RUTA : MEX-015				AÑO : 2012						
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	10085	72.9	84.6	106.1	13.4	73.3	83.2	96.5	11.4	69.0	80.0	98.3	12.4	19.967525	-102.260470
T. Izq. Zamora	7.25	3	0	8347	58.0	67.7	83.6	11.1	55.6	61.8	73.8	7.4	52.8	59.8	74.3	9.3	20.008545	-102.236642
T. Der. Atecucario de La Constitución	9.91	3	0	7936	72.1	83.6	103.9	13.1	72.9	82.9	96.5	11.5	69.5	80.3	98.8	12.3	20.021140	-102.254735
T. C. Zamora - Vista Hermosa	14.70	1	0	8587	69.8	79.0	94.3	10.9	66.4	73.7	86.6	9.2	62.9	71.4	87.2	10.2	20.033631	-102.274642

13 C A R R : Maravatío - Acámbaro				CLAVE: 00418				RUTA : MEX-061				AÑO : 2012						
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	8154	57.1	66.9	84.3	11.3	54.2	59.4	72.2	6.9	52.2	63.1	82.4	12.5	19.911396	-100.460649
Lim. Edos. Term. Mich. Ppia. Gto.	9.00																	
Tarandacuao	13.00	3	0	4645	78.5	89.2	104.2	11.9	63.7	73.8	85.6	10.2	72.3	83.0	100.4	12.2	20.015279	-100.541780
Acámbaro	39.00	1	0	6778	66.1	74.7	93.1	10.5	59.6	64.8	74.1	7.4	59.9	70.3	92.0	12.6	20.035470	-100.694908

14 C A R R : Morelia - Jiquilpan				CLAVE: 16029				RUTA : MEX-015				AÑO : 2012						
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	21550	53.8	64.7	83.3	11.9	42.5	51.0	72.2	10.4	43.1	51.9	70.4	10.7	19.696472	-101.262408
T. Izq. Periférico de Morelia	3.10	3	2	21343	54.9	68.3	89.3	12.8	47.1	53.9	80.8	10.2	45.2	55.4	80.2	12.0	19.696546	-101.262426
T. Izq. Lagunillas	24.90	1	0	6450	61.6	68.8	80.0	9.2	55.4	60.8	69.5	6.6	55.5	63.6	74.6	10.1	19.632663	-101.416171
T. Izq. Lagunillas	24.90	3	0	6149	69.8	84.7	109.7	14.6	58.3	70.0	92.7	11.1	64.8	85.9	112.2	18.3	19.632861	-101.417876
T. Izq. Libramiento de Quiroga	40.95	1	0	4250	56.3	66.8	85.5	11.7	52.0	55.1	71.7	7.4	52.2	63.1	84.4	12.2	19.668674	-101.533451
T. Izq. Libramiento de Quiroga	40.95	3	0	6604	69.9	84.7	109.6	14.5	59.6	72.8	97.0	12.3	64.7	85.6	113.7	18.5	19.668823	-101.537269
Comanja	64.44	1	0	3901	84.4	97.4	122.7	13.5	71.1	84.6	101.0	13.5	76.6	90.9	118.7	14.5	19.747667	-101.684407
Comanja	64.44	3	0	5450	66.6	73.6	87.3	9.1	56.8	60.8	70.0	5.8	57.6	64.3	82.0	9.9	19.749072	-101.693802
T. Der. Zacapu y Villachuato	77.10	1	0	12256	46.5	55.0	74.3	11.0	49.5	52.7	54.7	7.0	42.4	52.3	72.7	11.9	19.799803	-101.776646
T. Der. Zacapu y Villachuato	77.10	3	0	5589	65.5	75.3	92.5	11.7	59.2	63.0	73.3	6.1	59.1	70.0	85.6	12.5	19.820942	-101.809012
T. Der. La Piedad	105.02	1	0	3834	75.3	84.7	108.5	12.4	62.2	69.6	80.6	8.1	64.7	75.7	92.5	12.2	19.846125	-101.997626
T. Der. La Piedad	105.02	3	0	5778	80.2	91.5	109.3	12.7	71.2	81.7	93.0	11.7	72.2	84.3	102.4	13.5	19.847318	-102.006735
Santo Tomas	115.00	1	0	10528	65.1	73.7	92.6	10.3	62.4	70.1	84.6	9.6	59.0	68.3	90.5	11.5	19.843232	-102.078979
Santo Tomas	115.00	3	0	12134	65.0	73.6	92.3	10.3	62.6	70.5	87.0	9.7	58.8	68.0	89.7	11.4	19.844064	-102.089251
T. Der. Etucuario	123.50	1	0	8465	65.0	73.6	92.5	10.3	62.0	69.3	84.4	9.2	59.2	68.6	90.8	11.5	19.859811	-102.154450
T. Der. Etucuario	123.50	3	0	8654	61.4	78.2	103.0	15.4	56.2	72.2	84.7	13.0	58.1	76.0	107.3	16.5	19.859574	-102.158534

MICHOACAN

14 C A R R : Morelia - Jiquilpan

CLAVE: 16029

RUTA: MEX-015

AÑO : 2012

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. Tangancícuaro	131.20	1	0	10934	73.3	83.0	104.0	11.8	68.7	77.4	92.4	10.5	69.2	78.9	94.6	11.5	19.875272	-102.198010
T. Izq. Tangancícuaro	131.20	3	0	13526	67.8	82.4	105.5	14.3	65.6	81.4	99.4	14.3	65.9	82.4	109.7	15.5	19.906483	-102.203982
T. Izq. Libramiento Sur de Zamora	139.50	1	1	9945	49.3	52.3	61.5	6.4	43.2	44.0	52.6	4.3	43.8	44.5	53.6	4.5	19.946809	-102.247555
T. Izq. Libramiento Sur de Zamora	139.50	1	2	9945	75.3	88.8	108.8	13.7	77.1	92.2	118.4	15.1	80.0	97.4	129.3	17.2	19.946814	-102.247549
Zamora	144.44	1	1	9703	55.0	64.4	81.9	10.5	73.8	94.3	137.6	19.7	63.2	76.9	113.2	14.1	19.971762	-102.267211
Zamora	144.44	1	2	10291	54.0	61.7	75.4	9.1	44.7	50.0	64.4	6.8	46.4	53.2	70.9	8.8	19.971764	-102.267211
Jacona	148.60	3	0	9519	69.3	80.2	102.7	12.1	65.5	79.4	101.0	13.4	64.9	77.7	103.1	13.3	19.960001	-102.339311
Tangamandapio	163.00	3	0	5783	66.4	83.1	104.4	15.1	63.6	84.6	109.5	17.2	61.8	81.0	113.9	16.5	19.965878	-102.441224
T. Der. Villa Mar	186.20	1	0	3890	69.8	80.9	104.0	12.4	63.6	74.9	92.3	11.6	62.6	73.6	100.2	12.2	20.021955	-102.591278
T. Der. Libramiento de Jiquilpan	200.00	1	0	10274	65.6	81.4	112.0	14.9	62.3	76.3	98.5	13.3	61.9	73.4	97.3	11.6	19.985568	-102.700771
Jiquilpan	203.40																	

15 C A R R : Morelia - Pátzcuaro

CLAVE: 16009

RUTA: MEX-014

AÑO : 2012

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	18943	60.8	73.4	87.0	14.7	57.9	71.6	84.7	15.5	53.8	70.0	84.7	16.4	19.668883	-101.223347
X. Periférico de Morelia	3.00	3	2	19943	60.6	77.5	97.9	17.7	56.9	74.0	93.0	17.7	48.5	70.4	92.8	20.8	19.668895	-101.223356
Tiripetío	25.00	3	1	9597	60.6	73.2	86.6	14.7	58.9	71.1	83.5	14.0	53.9	70.0	85.0	16.3	19.553238	-101.381976
Tiripetío	25.00	3	2	10311	58.2	76.5	99.6	19.1	54.7	71.9	86.8	16.6	48.8	69.7	92.1	20.1	19.553214	-101.381955
Huiramba	37.00	1	1	9538	60.3	72.9	85.9	14.6	58.1	71.3	84.4	15.1	54.2	70.2	84.8	16.2	19.554086	-101.427436
Huiramba	37.00	1	2	9475	59.0	77.2	99.2	19.0	55.0	73.0	90.9	17.9	49.5	69.8	92.6	19.6	19.554086	-101.427439
Tzurumútaró	50.70	1	1	5724	60.4	72.9	85.6	14.5	57.9	70.7	83.1	14.3	55.3	70.4	84.7	15.4	19.542380	-101.582974
Tzurumútaró	50.70	1	2	5642	58.5	76.4	97.5	18.8	53.2	71.0	86.5	17.6	50.9	70.2	91.9	18.6	19.542379	-101.582976

16 C A R R : Morelia - Salamanca

CLAVE: 00124

RUTA: MEX-043

AÑO : 2012

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	31839	66.9	70.8	75.4	5.7	64.5	67.3	74.0	4.8	62.9	66.1	74.0	6.5	19.742963	-101.175962
X. Periférico de Morelia	2.70	3	2	32228	69.8	77.5	92.2	10.1	68.9	74.9	86.2	9.4	65.4	73.2	84.5	9.7	19.742963	-101.175962
T. Der. Zinapécuaro	8.85	1	1	25223	94.0	103.7	120.3	11.5	91.3	96.5	109.8	8.8	84.4	94.7	111.4	12.7	19.765486	-101.161569
T. Der. Zinapécuaro	8.85	1	2	24202	87.9	101.4	126.6	14.5	92.2	111.4	140.2	18.0	87.5	107.7	139.0	19.1	19.765486	-101.161570

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16 C A R R : Morelia - Salamanca

CLAVE: 00124

RUTA: MEX-043

AÑO : 2012

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. Zinapécuaro	8.85	3	1	14709	95.8	103.3	115.0	9.4	89.4	92.8	101.9	7.0	84.2	92.1	104.1	9.5	19.772421	-101.157250
T. Der. Zinapécuaro	8.85	3	2	15697	92.1	108.5	131.2	16.5	89.9	104.5	123.9	16.2	84.7	101.5	124.2	16.4	19.772421	-101.157254
Cuitzeo	33.64	1	0	8764	62.9	69.7	83.7	8.6	59.9	65.3	79.5	8.7	57.9	64.6	80.0	9.6	19.958039	-101.135646
Cuitzeo	33.64	3	0	8096	67.7	74.9	90.8	10.0	63.4	70.4	82.9	8.6	61.0	69.1	83.4	10.1	19.974944	-101.140500
Lim. Edos. Term. Mich. Ppia. Gto.	46.10																	
T. Izq. Moroleón	52.36	1	1	8003	70.3	82.8	107.6	14.8	69.0	78.8	126.5	13.3	63.4	75.6	94.8	13.4	20.103222	-101.164589
T. Izq. Moroleón	52.36	1	2	8498	76.8	87.4	104.4	12.1	74.9	83.6	98.2	10.0	69.9	84.2	102.7	15.6	20.103230	-101.164586
Uriangato	54.22	3	1	4386	54.5	62.5	75.2	9.3	51.6	58.0	65.0	8.6	50.3	58.8	69.8	10.4	20.159333	-101.161528
Uriangato	54.22	3	2	4399	66.0	76.9	94.2	12.3	68.2	77.3	90.7	11.0	65.7	79.6	99.3	14.8	20.159306	-101.161528
T. Der. Yuriria	61.36	3	0	8330	64.0	74.0	92.9	11.6	57.3	64.6	78.6	8.1	54.8	67.2	84.2	12.5	20.199864	-101.156355
Magdalena de Araceo	77.10	1	0	5049	65.7	76.1	93.8	11.5	59.9	70.6	84.4	11.5	55.3	68.3	84.9	12.8	20.299226	-101.181791
Magdalena de Araceo	77.10	3	0	5985	66.8	76.8	93.1	11.2	60.9	72.3	87.6	12.2	55.5	69.0	86.8	13.4	20.314192	-101.183007
T. Der. Jaral del Progreso	87.00	1	0	8153	70.1	80.5	98.6	11.7	71.8	85.1	110.3	14.5	63.2	80.0	107.1	15.8	20.382566	-101.184912
T. Der. Jaral del Progreso	87.00	3	0	7089	69.4	80.0	98.0	11.9	71.6	84.9	110.1	14.5	66.2	83.9	110.8	17.5	20.384889	-101.184087
X. C. Libramiento de Salamanca	105.10	1	0	25143	91.5	110.8	128.8	17.9	83.8	98.2	119.4	15.3	82.3	97.2	114.5	14.6	20.539523	-101.205193
Salamanca	107.95	1	1	12889	69.3	79.8	98.4	11.9	68.8	82.9	103.7	14.9	68.1	85.0	110.4	17.9	20.544872	-101.204353
Salamanca	107.95	1	2	13467	70.2	80.9	99.1	11.9	76.1	91.4	119.8	14.9	73.5	91.5	121.5	17.2	20.544871	-101.204353

17 C A R R : Pátzcuaro - Uruapan

CLAVE: 16484

RUTA: MEX-014

AÑO : 2012

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	6357	66.3	79.9	99.2	13.8	64.2	77.9	98.8	14.1	58.9	70.7	92.6	11.9	19.532397	-101.622639
T. Izq. Zirahuén	17.05	1	0	5711	71.7	84.2	101.8	14.4	63.7	73.1	88.3	10.5	63.9	76.3	93.0	13.4	19.482210	-101.734748
Tingambato	35.77	1	0	5720	71.4	84.0	101.3	14.5	60.3	67.8	82.1	8.0	62.8	75.8	92.6	13.9	19.501919	-101.842560
Tingambato	35.77	3	0	5054	82.6	93.8	112.0	12.8	66.9	81.3	93.8	13.5	77.0	90.0	104.7	13.8	19.506095	-101.861369
T. Izq. Libramiento de Uruapan	60.05	1	1	7799	74.8	86.8	103.3	13.4	64.4	76.8	91.7	11.7	67.7	81.7	94.4	14.4	19.432844	-102.023298
T. Izq. Libramiento de Uruapan	60.05	1	2	8051	68.0	81.5	97.1	14.4	63.0	70.4	79.9	8.8	61.8	72.3	84.9	12.2	19.432844	-102.023298
Uruapan	62.60	1	1	17258	63.0	69.4	103.6	10.2	57.9	62.2	72.1	6.5	57.8	63.4	74.0	7.9	19.430688	-102.027243
Uruapan	62.60	1	2	16836	53.9	59.7	102.6	9.8	46.7	51.3	57.2	6.5	46.7	51.6	61.5	7.2	19.430686	-102.027248

MICHOACAN

18 C A R R : Quiroga - Tepalcatepec

CLAVE: 16125

RUTA: MEX-120

AÑO : 2012

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	5992	57.1	64.3	81.1	10.2	55.9	63.6	79.1	9.6	54.1	62.4	77.2	10.0	19.656544	-101.528004
Zurumútaró	19.00	3	0	15017	75.4	86.7	110.5	12.2	75.3	85.7	107.2	11.6	71.2	83.1	104.6	13.3	19.545091	-101.589241
Opopeo	40.04	1	0	7768	66.6	75.2	98.5	10.9	58.5	62.3	75.7	6.3	62.1	72.5	101.6	12.4	19.426302	-101.604536
Opopeo	40.04	3	0	7602	65.7	74.8	91.4	11.0	56.8	54.8	71.6	3.3	59.7	70.7	84.6	11.9	19.412423	-101.614269
Ario de Rosales	72.50	1	0	6063	65.8	74.9	91.3	11.0	61.3	70.6	82.1	10.3	61.5	72.8	89.6	13.0	19.211870	-101.688591
Ario de Rosales	72.50	3	0	3958	60.1	69.9	86.6	11.3	56.4	65.2	79.8	9.7	56.9	68.5	91.6	12.6	19.206930	-101.718842
La Huacana	123.20	3	0	2583	60.0	70.1	88.0	11.5	53.7	57.6	73.0	7.0	56.8	65.4	85.4	10.1	18.949115	-101.826486
X. C. Carapan - Playa Azul	170.00	1	1	4193	94.3	112.1	136.8	17.0	83.6	98.6	116.7	16.3	88.6	110.3	137.3	20.0	18.991608	-102.098401
X. C. Carapan - Playa Azul	170.00	1	2	4259	95.4	115.2	138.6	18.7	99.1	131.7	143.5	24.0	99.4	129.9	143.3	24.1	18.991610	-102.098400
X. C. Carapan - Playa Azul	170.00	3	1	5806	74.9	82.9	94.8	9.4	68.0	74.4	84.8	8.9	68.1	78.3	94.1	11.7	18.991656	-102.106720
X. C. Carapan - Playa Azul	170.00	3	2	5886	76.4	87.0	102.2	11.9	66.4	74.9	84.5	9.8	70.1	80.9	96.2	12.1	18.991656	-102.106720
Apatzingán	200.90	1	1	7941	71.9	81.2	94.9	10.8	65.8	73.8	84.1	9.1	66.7	78.8	97.7	12.9	19.063444	-102.331101
Apatzingán	200.90	1	2	7642	56.8	62.4	75.5	8.2	53.1	54.7	64.0	5.4	52.6	58.7	72.4	8.4	19.063444	-102.331101
Apatzingán	200.90	3	0	9812	39.0	44.0	58.9	8.1	38.2	49.7	65.7	11.4	35.7	45.5	69.9	10.9	19.113873	-102.373936
Santa Ana Amatlán	223.50	1	0	5385	72.6	82.4	99.6	11.2	67.1	74.2	84.6	9.5	67.1	77.0	97.6	11.8	19.159163	-102.532006
Buenavista Tomatlán	233.90	3	0	6373	67.4	80.8	104.6	14.0	62.7	74.4	94.8	12.5	66.2	83.7	114.7	16.3	19.205640	-102.598412
Tepalcatepec	267.90																	

19 C A R R : Rinconada - La Piedad

CLAVE: 16243

RUTA: MEX-015

AÑO : 2012

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	10359	80.6	97.1	139.1	17.9	84.1	102.5	141.9	19.0	81.2	100.5	139.3	19.0	20.052698	-102.278558
T. Der. Atecucario de La Constitución	4.30	1	0	9286	61.0	69.1	84.6	10.0	56.7	62.7	74.8	8.1	55.3	62.9	81.3	9.4	20.072315	-102.269771
T. Der. Atecucario de La Constitución	4.30	3	0	7727	84.5	98.7	126.0	14.5	73.1	85.8	137.3	15.8	79.3	94.2	134.2	16.5	20.082202	-102.268924
La Nopalera	9.50	1	0	7242	84.3	98.2	125.2	14.4	82.7	95.7	138.5	15.7	80.9	96.2	137.6	17.0	20.116036	-102.262284
La Nopalera	9.50	3	0	6733	68.3	75.0	88.6	9.6	64.5	70.6	80.7	7.3	63.6	71.4	83.9	9.4	20.121805	-102.262189
T. Der. Ecuandureo (1º Acceso)	18.40	1	0	7355	72.2	82.3	100.2	11.4	69.2	77.5	92.1	10.2	66.7	74.8	94.2	10.7	20.161961	-102.202847
Ecuandureo	20.50	1	0	6868	52.1	59.5	74.1	9.2	44.7	51.3	62.2	7.8	43.8	51.7	67.1	9.6	20.166521	-102.195251
Ecuandureo	20.50	3	0	5440	84.1	96.5	114.6	13.3	78.3	88.6	101.4	12.0	75.9	87.6	104.9	12.5	20.182132	-102.186933
Quiringüicharo	24.00	3	0	5068	84.2	96.4	114.7	13.1	78.3	88.7	101.4	11.9	76.1	87.8	104.9	12.5	20.208536	-102.174541
El Algodonal	34.00	3	0	4479	92.5	105.3	125.1	13.9	84.3	93.2	106.1	11.2	84.1	94.5	113.8	12.1	20.252317	-102.098995
T. Izq. Guadalajara (libre)	44.80	1	0	5372	48.6	62.2	83.9	14.6	46.2	55.6	82.3	13.4	42.7	53.9	76.8	14.6	20.321045	-102.032800
T. C. La Piedad - Carapan	46.40	1	0	7944	48.4	62.8	85.8	15.5	46.2	54.9	82.4	13.2	43.3	54.1	79.0	15.0	20.325883	-102.022173

MICHOACAN

20	C A R R : T. C. (Zihuatanejo - La Mira) - Lázaro Cárdenas				CLAVE: 16421				RUTA : MEX-200				AÑO : 2012										
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	21269	60.9	66.8	79.9	8.7	57.6	63.3	79.2	8.1	56.1	64.4	83.4	10.7	17.991441	-102.221754
T. C. Zihuatanejo - La Mira					0.00		3	2	21111	59.8	66.7	79.9	9.3	58.0	64.0	73.3	8.2	54.7	62.6	74.5	9.0	17.991440	-102.221754
Lazáro Cárdenas					6.00		1	1	16633	58.4	63.6	74.6	8.1	54.0	57.8	64.6	5.8	55.7	62.0	73.9	8.0	17.971159	-102.205832
Lazáro Cárdenas					6.00		1	2	15016	51.8	60.1	74.2	10.0	49.3	53.8	64.5	8.3	48.5	55.0	72.0	10.1	17.971149	-102.205814
21	C A R R : Toluca - Cd. Altamirano								CLAVE: 00020				RUTA : MEX-134								AÑO : 2012		
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	14039	70.3	81.8	103.3	13.0	63.1	72.5	84.0	10.1	64.9	77.2	98.5	12.8	19.256454	-99.685444
T. Izq. Capultitlán					1.78		3	2	13553	72.6	91.2	123.3	18.4	78.1	128.4	143.4	30.4	86.8	132.9	143.6	31.7	19.256463	-99.685453
T. Der. Zinacatepec					10.21		3	1	10756	68.7	83.2	100.7	15.0	59.4	75.1	91.1	14.7	57.8	75.2	93.3	16.1	19.252131	-99.746407
T. Der. Zinacatepec					10.21		3	2	10714	77.7	92.5	110.0	15.7	63.7	83.0	100.1	18.7	67.3	84.5	103.3	17.8	19.252131	-99.746407
T. Izq. Sultepec					18.72		3	0	7070	78.7	90.6	106.8	12.8	66.9	76.4	89.4	11.2	65.9	80.3	100.7	15.0	19.212593	-99.809706
T. Der. Valle de Bravo					52.00		3	0	5263	68.1	80.2	93.7	13.4	60.0	68.1	80.4	9.6	58.0	70.4	86.1	13.5	19.146173	-99.917063
Temascaltepec					68.76		1	0	4389	53.8	60.5	71.6	8.1	49.5	53.1	63.3	7.6	47.7	54.7	82.7	10.9	19.048139	-100.049750
Temascaltepec					68.76		3	0	4509	45.9	53.1	64.5	8.4	38.7	48.4	54.6	10.0	37.8	46.3	62.6	10.4	19.041178	-100.049832
T. Izq. San Diego Cuentalá					84.34		3	0	4732	57.4	76.8	95.5	15.5	60.9	92.1	109.0	19.2	57.0	80.5	115.5	17.3	18.969948	-100.073781
Tejupilco de Hidalgo					100.76		1	0	5153	56.4	62.2	74.4	8.2	50.3	53.8	63.0	7.3	46.9	53.8	65.6	10.2	18.923468	-100.147157
Tejupilco de Hidalgo					100.76		3	0	4858	47.3	53.4	73.8	9.9	47.7	52.0	54.8	7.2	44.4	51.3	61.6	8.6	18.903331	-100.162974
Cuadrilla de López					113.20		3	0	2258	55.8	55.0	73.8	4.9	54.4	54.0	64.6	2.8	52.4	53.7	64.8	5.7	18.874257	-100.227841
T. Izq. Bejucos					147.57		1	0	1217	60.7	75.0	96.2	15.3	57.6	66.9	84.0	10.7	54.7	68.4	89.4	13.3	18.784857	-100.421049
Lim. Edos. Term. Mex. Ppia. Gro.					148.00																		
Cutzamala					196.00		1	0	1986	50.5	57.9	88.2	11.3	50.6	53.6	62.4	7.1	49.1	53.5	64.1	9.0	18.479273	-100.582263
Lim. Edos. Term. Gro. Ppia. Mich.					201.00																		
Lim. Edos. Term. Mich. Ppia. Gro.					210.30																		
Cd. Altamirano					216.00		1	0	3451	50.4	57.8	87.0	11.2	50.7	53.7	62.3	7.1	48.0	54.1	72.3	10.3	18.382554	-100.651023
22	C A R R : Toluca - Morelia								CLAVE: 00448				RUTA : MEX-015								AÑO : 2012		
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	34733	63.5	74.8	102.0	13.6	57.1	69.3	88.6	11.9	58.5	73.3	104.6	15.6	19.288086	-99.684694

MICHOACAN

22 C A R R : Toluca - Morelia

CLAVE: 00448

RUTA: MEX-015

AÑO : 2012

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. Libramiento de Toluca	1.00	3	2	34713	58.6	64.4	95.8	10.5	52.7	60.1	73.2	9.1	54.3	62.9	87.2	10.9	19.287886	-99.685752
T. Der. Almoloya de Juárez	4.70	3	1	22256	54.3	53.7	95.1	4.8	54.7	53.6	55.0	2.5	54.3	53.6	55.0	3.5	19.294720	-99.729486
T. Der. Almoloya de Juárez	4.70	3	2	22865	69.2	73.4	140.6	14.9	120.8	141.7	144.6	24.9	102.7	138.5	144.1	30.9	19.294714	-99.729490
T. Izq. Valle de Bravo	7.50	3	1	9307	88.2	100.1	116.3	13.2	78.7	92.2	108.8	14.6	75.3	91.1	105.4	16.0	19.309228	-99.755971
T. Izq. Valle de Bravo	7.50	3	2	9000	70.5	79.8	93.4	11.0	62.9	72.8	84.7	10.8	62.9	72.4	84.4	10.4	19.309228	-99.755971
X. C. Toluca - Zitácuaro (Cuota)	20.30	1	0	19998	88.1	106.8	133.6	17.5	68.3	82.0	104.2	13.9	84.4	105.9	137.8	19.4	19.378122	-99.807778
X. C. Toluca - Zitácuaro (Cuota)	20.30	3	0	15870	71.4	81.3	96.2	11.9	65.9	73.8	84.6	10.1	67.5	76.6	96.0	11.8	19.386366	-99.808118
T. Der. Villa Victoria	46.39	1	0	14065	76.7	86.2	103.2	11.4	71.1	80.9	93.5	11.3	73.2	83.6	101.5	12.3	19.417826	-99.986154
T. Der. Villa Victoria	46.39	3	0	11115	80.7	90.0	104.0	11.0	70.3	81.6	91.7	12.7	77.4	86.6	102.6	11.5	19.417279	-100.006741
T. Izq. Valle de Bravo	54.40	1	0	9615	80.0	88.9	105.5	10.8	74.7	83.3	107.0	11.1	78.2	91.1	129.7	14.9	19.398245	-100.059522
T. Izq. Villa de Allende	64.08	1	0	12143	66.8	74.8	100.8	11.9	69.7	80.6	138.5	16.0	62.1	74.6	124.4	16.5	19.410475	-100.139548
T. Izq. Villa de Allende	64.08	3	0	5455	58.9	73.4	93.6	14.0	59.1	78.2	103.3	14.4	61.9	87.3	119.9	19.5	19.410828	-100.141582
Lim. Edos. Term. Mex. Ppia. Mich.	70.20																	
T. Der. Libramiento de Heroica Zitácuaro	92.80	1	1	5329	63.7	76.9	100.4	14.7	66.8	82.1	102.0	14.6	61.8	80.5	107.8	18.2	19.447434	-100.313277
T. Der. Libramiento de Heroica Zitácuaro	92.80	1	2	5446	73.1	87.0	104.5	15.1	66.7	78.4	92.0	11.8	60.9	78.5	94.7	17.3	19.447434	-100.313277
T. Der. Libramiento de Heroica Zitacuaro	92.80	3	0	17143	49.1	54.1	70.6	8.7	46.6	51.2	60.1	6.4	45.2	51.5	64.6	7.7	19.460502	-100.344763
T. Der. Angangueo	106.33	1	0	15406	51.1	57.6	79.6	9.8	49.1	54.9	71.1	8.8	47.9	57.0	81.1	11.1	19.489826	-100.370118
T. Der. Angangueo	106.33	3	0	11634	51.5	58.3	72.4	9.6	49.7	54.0	63.4	7.9	48.2	53.3	63.8	8.8	19.489860	-100.376330
T. Der. Zirahuato	108.00	3	0	8302	88.0	105.1	128.8	18.2	79.9	97.2	109.5	17.5	77.4	96.8	121.3	20.4	19.485707	-100.402825
T. Izq. Jungapeo	114.30	1	0	7846	75.6	90.5	116.7	15.0	70.6	84.8	105.4	14.8	71.0	86.5	116.4	16.7	19.482298	-100.442194
T. Izq. Jungapeo	114.30	3	0	6610	77.4	89.0	108.8	12.6	70.1	80.8	94.0	11.5	71.2	82.5	102.3	12.7	19.486660	-100.446558
Tuxpan	125.00	1	1	5227	47.7	55.0	70.4	10.8	46.0	51.8	61.7	7.4	45.4	53.1	69.8	9.6	19.551889	-100.471547
Tuxpan	125.00	1	2	5235	70.3	90.5	114.0	19.0	72.8	87.2	102.0	13.9	74.5	94.4	122.9	19.5	19.551889	-100.471547
Tuxpan	125.00	3	1	4146	46.3	51.6	117.9	11.5	53.6	53.3	54.8	2.4	47.1	52.4	54.9	8.9	19.582517	-100.466370
Tuxpan	125.00	3	2	4707	67.4	82.6	118.9	18.2	57.3	54.9	81.2	6.2	61.3	77.4	91.0	15.7	19.582517	-100.466370
Cd. Hidalgo	144.61	1	0	10474	68.1	80.4	97.8	13.3	64.3	74.1	89.8	10.6	62.4	74.2	96.6	13.8	19.673183	-100.519973
Cd. Hidalgo	144.61	3	0	14075	66.7	74.1	91.8	9.7	56.5	55.3	64.7	2.9	63.0	71.4	90.5	10.5	19.699344	-100.594067
T. Der. Huajumbaro	168.00	1	0	4593	69.6	79.5	96.7	11.4	59.2	68.9	82.9	10.0	60.6	73.4	93.6	13.7	19.671231	-100.738149
T. Der. Huajumbaro	168.00	3	0	1017	64.8	78.5	101.2	13.7	51.7	58.6	77.2	9.4	55.3	66.2	91.9	12.3	19.669880	-100.741092
T. Izq. Tzitzio	188.30	1	0	668	58.3	68.6	83.9	11.6	51.6	57.0	73.3	9.0	52.0	62.0	78.0	11.2	19.652502	-100.953371
T. Der. de Los Triguillos	225.00	1	0	3183	74.7	90.4	127.8	15.7	70.0	90.3	140.2	18.8	81.7	113.0	141.5	25.5	19.685329	-101.034011
Periférico de Morelia	238.60	1	1	1904	41.8	45.4	60.2	8.2	29.2	32.8	50.8	6.9	31.5	36.3	52.0	7.9	19.693607	-101.146242
Periférico de Morelia	238.60	1	2	1896	70.6	79.5	98.4	11.1	63.2	73.7	93.9	12.0	63.6	73.7	92.7	11.5	19.693598	-101.146242
Morelia	240.10																	

MICHOACAN

23 C A R R : Zamora - Vista Hermosa

CLAVE: 16242

RUTA: MEX-035

AÑO : 2012

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	10573	81.3	92.3	115.5	13.2	72.2	82.8	98.9	11.7	70.9	82.5	100.9	13.2	20.019215	-102.280253
Zamora	0.00	3	2	10506	76.7	87.1	111.6	12.6	67.0	77.9	93.7	11.9	65.9	76.9	93.1	11.7	20.019215	-102.280252
T. Der. La Piedad	6.17	3	0	11063	52.7	62.9	83.2	11.2	51.3	63.2	82.3	12.5	49.5	61.5	86.9	12.8	20.040620	-102.285732
T. C. Patti - Sahuayo	43.30	1	0	7288	66.1	79.8	103.2	14.2	58.5	70.8	87.1	12.5	55.5	68.2	87.2	12.3	20.260787	-102.475537

24 C A R R : Zihuatanejo - La Mira

CLAVE: 00121

RUTA: MEX-200

AÑO : 2012

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	12511	76.2	92.8	113.5	16.3	73.7	92.3	119.6	17.8	67.6	87.3	114.3	18.2	17.659100	-101.560388
Zihuatanejo	0.00	3	2	12815	76.9	84.1	99.7	9.5	71.6	79.8	93.8	9.9	68.3	78.1	94.0	11.5	17.659106	-101.560400
T. Izq. Ixtapa Zihuatanejo	8.00	3	0	7110	64.2	71.6	85.3	8.8	62.2	69.9	83.5	9.5	62.1	70.3	84.5	10.0	17.678766	-101.602261
T. Der. Cd. Altamirano	16.30	1	0	6936	71.5	88.3	110.3	15.0	72.3	93.3	117.7	18.0	70.6	91.2	120.4	17.9	17.726428	-101.602855
T. Der. Cd. Altamirano	16.30	3	0	6732	71.7	81.4	96.9	11.2	69.0	79.1	92.2	11.4	66.9	76.9	93.0	11.7	17.729004	-101.608142
T. Der. La Unión	52.00	3	0	4421	57.4	64.5	79.1	9.7	52.5	59.9	73.2	9.1	49.0	57.3	73.9	10.6	17.938331	-101.830880
Zacatula	93.50	1	0	3273	71.2	81.5	99.9	11.9	67.8	79.1	97.4	12.6	65.0	75.8	93.4	12.2	18.002978	-102.173901
Lim. Edos. Term. Gro. Ppia. Mich.	102.30																	
La Villita	103.80	3	0	1920	54.1	65.6	82.3	12.9	55.6	60.4	74.5	6.3	53.3	63.9	77.6	11.9	18.044259	-102.188372
Guacamayas	107.00	1	0	1887	63.9	76.5	96.6	13.2	55.2	54.5	89.2	6.4	60.1	77.7	96.8	15.4	18.030990	-102.199850
T. Izq. Lazáro Cárdenas	110.85	1	1	15999	73.2	84.3	103.2	13.1	77.8	91.1	108.0	13.9	73.7	89.0	106.4	15.2	17.997962	-102.222645
T. Izq. Lazáro Cárdenas	110.85	1	2	15669	55.3	61.9	73.1	7.8	51.5	53.5	63.6	6.4	51.7	53.7	64.2	6.4	17.997959	-102.222653
La Mira	123.60	1	0	10691	64.3	73.5	94.0	10.7	63.9	73.6	93.7	11.2	61.2	71.2	102.4	12.5	18.030096	-102.316775

25 C A R R : Zitácuaro - Cd. Altamirano

CLAVE: 16006

RUTA: MEX-051

AÑO : 2012

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	5795	66.7	80.6	107.3	14.2	58.6	66.5	86.7	9.0	66.6	83.6	112.5	16.3	19.421640	-100.389136
Benito Juárez	26.06	3	0	3884	50.3	59.3	73.1	10.3	46.3	53.2	62.5	10.2	46.6	54.7	72.5	11.0	19.300273	-100.430847
Tiquicheo	104.50	1	0	980	47.6	54.4	71.5	9.6	48.3	52.2	55.0	7.2	40.8	48.9	58.3	9.8	18.921268	-100.743806
Tiquicheo	104.50	3	0	685	63.9	77.7	99.9	12.6	57.5	54.4	84.5	4.5	59.8	67.4	93.9	8.8	18.895427	-100.747649
Huetamo	174.60	1	0	6445	50.6	59.3	76.2	10.7	50.2	53.9	66.4	7.9	48.9	58.8	78.2	11.6	18.649544	-100.897375
San Lucas	193.80	3	0	2567	62.8	74.1	91.6	12.7	58.3	62.1	73.8	6.2	60.3	70.8	84.5	11.9	18.581891	-100.784051
T. C. Toluca - Cd. Altamirano	214.50	1	0	5844	44.6	52.4	70.6	9.7	44.5	50.8	61.3	7.9	41.9	50.2	63.9	10.3	18.375408	-100.668223

MICHOACAN

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

CLAVE: 00018

ruta: MEX-015D

AÑO : 2012

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	6496	112.3	128.7	142.3	16.2	90.0	101.3	112.1	14.2	83.4	99.8	120.0	16.7	19.828229	-99.884151
T. C. Toluca - Palmillas	0.00	3	2	6658	104.6	123.1	141.2	18.5	83.6	94.9	117.5	15.2	72.0	90.4	123.2	18.3	19.828211	-99.884347
Caseta de Cobro San Juanico	3.76	2	1	4764													19.830594	-99.905264
Caseta de Cobro San Juanico	3.76	2	2	4763													19.830594	-99.905264
Lim. Edos. Term. Mex. Ppia. Mich.	21.20																	
Caseta de Cobro Contepec	33.10	2	1	4728													19.876112	-100.177002
Caseta de Cobro Contepec	33.10	2	2	4728													19.876112	-100.177002
X. C. Maravatio - Acámbaro	63.62	1	1	5383	102.7	121.0	139.3	17.8	88.8	94.8	113.9	11.1	85.4	95.1	119.6	12.5	19.909465	-100.448732
X. C. Maravatio - Acámbaro	63.62	1	2	4949	104.4	124.3	141.9	18.7	91.4	101.3	121.9	12.5	86.2	99.7	128.5	14.9	19.909434	-100.448670

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

CLAVE: 00018

ruta: MEX-015D

AÑO : 2012

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. Maravatio - Acámbaro	63.62	3	1	3994	107.2	121.8	139.5	15.2	87.5	93.4	103.9	9.4	78.8	90.5	107.9	13.5	19.910166	-100.467192
X. C. Maravatio - Acámbaro	63.62	3	2	3859	79.0	111.9	134.9	27.2	73.7	90.4	101.0	17.4	69.2	84.9	102.8	15.3	19.910161	-100.467177
X. C. Morelia - Salamanca	75.70	1	1	3466	99.9	120.5	141.3	18.8	87.2	95.8	115.8	12.0	80.0	94.5	123.1	16.2	19.900203	-101.142779
X. C. Morelia - Salamanca	75.70	1	2	3431	101.2	120.4	141.0	17.4	86.7	94.4	111.1	11.2	75.6	90.9	122.3	16.0	19.900193	-101.142785
X. C. Morelia - Salamanca	75.70	3	1	2965	106.2	119.6	136.8	13.6	88.3	93.3	103.6	8.9	84.4	93.3	112.1	11.1	19.893662	-101.155860
X. C. Morelia - Salamanca	75.70	3	2	3057	113.5	130.8	143.0	16.0	91.1	99.4	117.0	11.3	84.8	102.2	131.6	17.0	19.893661	-101.155858
Caseta de Cobro Zinapécuaro	102.02	2	1	3946													19.901803	-100.788575
Caseta de Cobro Zinapécuaro	102.02	2	2	3945													19.901803	-100.788575
Caseta de Cobro Panindícuaro	207.00	2	1	3061													19.972227	-101.756953
Caseta de Cobro Panindícuaro	207.00	2	2	3061													19.972227	-101.756953
X. C. Zamora - La Piedad	261.00	1	1	3480	87.8	98.7	113.8	12.2	72.6	80.8	96.8	10.5	64.7	80.0	102.1	15.2	20.174724	-102.186255
X. C. Zamora - La Piedad	261.00	1	2	3429	90.9	103.3	121.7	13.6	75.6	82.5	93.4	8.6	66.5	76.6	93.8	11.7	20.174721	-102.186258
Caseta de Cobro Ecuandureo	261.00	2	1	3033													20.175038	-102.191318
Caseta de Cobro Ecuandureo	261.00	2	2	3033													20.175038	-102.191318
X. C. Zamora - La Piedad	261.00	3	1	3316	87.5	98.5	113.8	12.2	72.2	80.6	96.3	10.6	63.5	78.5	101.3	15.3	20.175315	-102.195525
X. C. Zamora - La Piedad	261.00	3	2	3504	90.9	103.3	121.7	13.6	75.5	82.5	93.4	8.7	65.7	74.9	93.3	11.3	20.175318	-102.195526
X. C. Ent. Patti - Sahuayo	291.00	3	1	5587	101.2	120.1	139.8	17.9	92.2	102.3	124.4	12.3	86.4	101.0	123.6	15.4	20.273244	-102.445426
X. C. Ent. Patti - Sahuayo	291.00	3	2	5477	95.6	110.4	128.9	14.8	85.4	92.9	104.7	9.3	79.0	91.7	110.4	14.4	20.273245	-102.445427
Lim. Edos. Term. Mich. Ppia. Jal.	297.00																	
X. C. San Miguel El Alto - La Barca	302.18	3	1	6147	99.8	112.1	132.2	13.5	93.8	102.7	118.6	10.9	90.8	99.7	117.9	11.3	20.321924	-102.540227
X. C. San Miguel El Alto - La Barca	302.18	3	2	6057	95.9	108.8	127.5	13.3	89.7	98.2	114.0	11.1	85.9	93.6	112.5	10.1	20.321920	-102.540228

MICHOACAN

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

CLAVE: 00018

RUTA: MEX-015D

AÑO : 2012

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. Tototlán - Ocotlán	325.80	1	1	5595	48.6	52.7	64.8	8.5	45.7	51.2	56.5	7.1	49.8	53.3	61.7	8.0	20.402837	-102.736269
X. C. Tototlán - Ocotlán	325.80	1	2	5671	58.5	64.1	83.8	9.3	54.8	60.6	74.0	7.1	55.0	59.0	74.3	5.9	20.402836	-102.736275
Caseta de Cobro Ocotlán	325.80	2	1	4798													20.405873	-102.738901
Caseta de Cobro Ocotlán	325.80	2	2	4797													20.405873	-102.738901
T. C. Zapotlanejo - Guadalajara (Cuota)	375.00	1	1	6162	99.5	111.9	132.2	13.6	94.1	102.7	119.0	10.7	91.5	100.7	119.4	11.3	20.595034	-103.110786
T. C. Zapotlanejo - Guadalajara (Cuota)	375.00	1	2	5931	96.2	109.2	128.2	13.5	90.1	98.4	114.9	11.0	86.4	93.7	113.6	10.1	20.595040	-103.110799

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

CLAVE: 00124

RUTA: MEX-090D

AÑO : 2012

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	6265	110.1	126.4	142.5	15.5	98.1	109.4	139.3	13.4	97.0	110.7	138.8	14.8	19.916851	-101.149982
T. Der. Cuitzeo	6.70	1	0	5427	91.5	135.1	143.7	23.8	91.4	140.6	144.4	37.4	91.9	138.3	144.1	34.1	19.964952	-101.160477
T. Der. Cuitzeo	6.70	3	0	5559	90.1	132.5	143.6	23.8	97.5	140.3	144.4	36.1	88.4	137.5	144.0	32.9	19.975885	-101.157344
Lim. Edos. Term. Mich. Ppia. Gto.	17.85																	
T. Izq. La Cinta	19.30	1	0	5454	88.9	131.6	143.6	24.6	91.9	140.5	144.4	37.1	88.5	137.3	144.0	33.2	20.071837	-101.136648
T. Izq. La Cinta	19.30	3	0	3627	90.2	130.9	143.6	23.7	97.8	140.6	144.4	37.3	91.6	138.2	144.1	34.2	20.085083	-101.136861
T. Der. Yuriria	31.40	1	0	3235	105.5	121.0	138.9	15.3	82.4	96.7	120.7	15.7	79.2	100.9	124.6	20.7	20.178446	-101.155187
T. Der. Yuriria	31.40	3	0	4070	105.4	121.0	138.9	15.3	74.6	90.9	106.1	16.2	74.9	97.1	121.4	20.1	20.186479	-101.167719
T. Izq. Valle de Santiago	57.12	1	0	4975	117.7	137.7	144.0	17.9	88.0	116.3	143.2	23.3	87.4	109.6	140.6	21.4	20.368065	-101.148300
T. Izq. Valle de Santiago	57.12	3	0	4286	117.1	137.7	144.0	18.5	95.1	122.3	143.3	21.0	92.3	113.4	141.7	20.4	20.378158	-101.147869
Caseta de Cobro Valtierra	76.39	2	0	3456													20.542631	-101.137714
T. C. Querétaro - Irapuato (Libre)	77.09	1	0	3947	93.0	111.7	129.4	17.9	81.6	95.9	112.4	15.0	81.8	96.0	112.6	14.4	20.537125	-101.138706
T. C. Querétaro - Irapuato (Cuota)	81.94	1	0	3839	92.4	111.5	129.2	18.2	82.7	97.3	113.4	15.3	82.1	97.1	113.7	14.7	20.584307	-101.141337

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

CLAVE: 00032

RUTA: MEX-014D

AÑO : 2012

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	4184	99.3	115.3	136.5	16.4	85.7	94.8	111.3	11.8	84.4	95.3	118.9	13.3	18.984916	-102.088621
Caseta de Cobro Las Cañas	100.00	2	0	3528													18.554190	-101.970337
Lim. Edos. Term. Mich. Ppia. Gro.	159.20																	
Lim. Edos. Term. Gro. Ppia. Mich.	182.00																	
X. C. Lázaro Cárdenas - Zihuatanejo	187.00	1	0	4039	93.2	108.7	133.7	15.6	84.1	93.9	111.1	11.7	76.2	90.8	110.2	14.8	18.009474	-101.960346
Caseta de Cobro Feliciano	187.00	2	0	1488													18.006510	-101.961761

MICHOACAN

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

CLAVE: 00032

RUTA: MEX-014D

AÑO: 2012

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. Lázaro Cárdenas - Zihuatanejo	187.00	3	0	3973	94.4	109.6	133.9	15.1	84.8	94.2	112.9	11.4	78.5	92.6	113.9	15.0	18.000666	-101.964837
T. C. La Orilla - Las Truchas	212.00																	

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

CLAVE: 16011

RUTA: MEX-14D

AÑO: 2012

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	9997	92.4	105.3	124.9	14.3	81.1	93.0	109.9	14.1	76.1	95.6	118.7	20.0	19.525661	-101.568142
X. C. Quiroga - Tepalcatepec	6.00	3	0	7932	76.1	88.6	113.3	13.4	77.4	90.5	109.8	13.1	66.8	80.5	105.7	13.9	19.493057	-101.610325
Caseta de Cobro Zirahuén	12.55	2	0	8320													19.505623	-101.659299
Caseta de Cobro Zurumucapio	40.00	2	0	8573													19.441169	-101.882244
T. C. Ent. Uruapan - Lázaro Cárdenas (Cuota)	46.70	1	0	12459	76.5	89.4	114.2	13.6	77.9	91.2	111.3	13.3	68.1	81.9	107.7	14.4	19.418138	-101.930152
T. C. Ent. Uruapan - Lázaro Cárdenas (Cuota)	46.70	3	0	12703	76.4	89.2	114.0	13.6	78.2	91.6	111.1	13.4	68.8	82.9	109.6	14.7	19.416795	-101.946812
T. C. Ent. Carapan - Playa Azul	60.00																	

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

CLAVE: 00032

RUTA: MEX-014D

AÑO: 2012

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	8256	76.3	88.8	113.5	13.4	77.7	91.1	110.5	13.4	66.9	80.6	106.4	14.0	19.410231	-101.938386
Caseta de Cobro Taretan	8.89	2	0	6424													19.355413	-101.918127
Caseta de Cobro Santa Casilda	39.65	2	0	5725													19.152887	-101.978112
T. Der. Apatzingán	59.40	1	0	5825	99.4	115.5	136.6	16.4	87.0	96.4	115.6	12.2	84.1	95.8	119.7	14.1	18.994849	-102.084265

32 C A R R : Apatzingán - Aguililla

CLAVE: 16591

RUTA: MICH

AÑO: 2012

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	10639	70.8	82.8	109.4	13.3	67.0	81.3	102.8	14.4	65.5	78.6	110.6	13.9	19.090288	-102.388941
Aguililla	85.00																	

MICHOACAN

33 CARR: Comanja - Huaniqueo

CLAVE: 16024

RUTA: MICH-024

AÑO: 2012

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 - Jiquilpan	0.00	3	0	1753	59.4	72.6	93.2	13.5	59.3	71.4	88.6	11.9	58.1	66.9	84.3	9.1	19.749627	-101.684758
Huaniqueo	27.10	1	0	1639	59.2	72.0	93.2	13.4	58.8	71.3	89.2	11.8	58.5	70.4	88.4	11.6	19.885433	-101.508818

34 CARR: Cotija - Emiliano Zapata

CLAVE: 16024

RUTA: MICH

AÑO: 2012

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. Tocuambo - Cotija	0.00	3	0	2252	62.4	73.7	94.2	12.4	61.9	73.4	94.1	12.0	59.2	70.3	100.0	12.2	19.803125	-102.663132
T. C. Morelia - Jiquilpan	30.00	1	0	3014	71.9	82.1	99.9	11.5	66.8	76.5	93.7	11.1	65.2	77.3	97.1	12.8	19.979451	-102.610645

35 CARR: Cuitzeo - Zinápapo

CLAVE: 16027

RUTA: MICH-027

AÑO: 2012

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
Cuitzeo	0.00	3	0	2937	32.0	39.6	53.2	9.0	29.9	34.9	53.4	9.9	30.3	36.6	58.2	10.1	19.969884	-101.152199
Puruándiro	61.00	1	0	4759	63.8	76.2	94.3	13.6	56.8	55.0	73.4	3.9	56.5	66.7	85.8	10.5	20.087364	-101.489257
Puruándiro	61.00	3	0	4170	64.1	76.8	94.9	13.8	56.4	54.9	71.1	3.6	58.0	68.2	85.0	11.0	20.091956	-101.538813
T. Izq. Zacapu	79.00	3	0	2013	64.3	77.0	94.7	13.6	57.3	60.8	75.6	5.8	57.5	67.0	85.5	10.2	20.141519	-101.656001
Zinápapo	123.70	1	0	2307	63.8	76.5	94.6	13.8	57.5	62.1	73.9	6.7	58.7	70.5	89.2	12.9	20.173393	-101.992982

36 CARR: El Correo - Lagunillas

CLAVE: 16014

RUTA: MICH

AÑO: 2012

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
El Correo	0.00	3	0	1448	68.7	81.5	100.9	13.4	59.6	70.9	84.0	10.1	61.4	73.9	93.5	13.8	19.625035	-101.420478
T. C. Morelia - Pátzcuaro	10.60	1	0	1948	42.3	49.5	64.1	9.5	41.3	48.9	54.6	9.0	40.2	49.8	54.6	10.4	19.558167	-101.423185

37 CARR: El Temascal - El Limón

CLAVE: 16014

RUTA: MICH

AÑO: 2012

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
El Temascal	0.00	3	0	1171	45.7	55.2	71.9	10.5	42.6	51.1	63.0	9.9	42.1	53.5	76.1	12.5	19.650490	-100.954573
Ent. El Limón	92.30	1	0	943	50.9	58.2	71.8	9.5	50.1	52.9	55.9	6.7	47.7	53.5	66.3	9.1	19.028075	-100.743548

MICHOACAN

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

CLAVE: 00032

RUTA: MICH

AÑO : 2012

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	2397	68.7	78.4	92.7	11.2	61.9	69.1	79.1	8.3	61.0	69.6	83.7	9.3	19.159129	-102.037898
Dr. Miguel Silva	55.20	1	0	1673	41.3	47.1	58.3	8.4	44.3	51.4	54.8	9.4	41.5	49.7	67.2	10.0	19.169381	-101.726436

39 C A R R : Jacona - Buenavista Tomatlán

CLAVE: 16016

RUTA: MICH-016

AÑO : 2012

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	6788	56.4	72.1	118.3	15.8	62.4	77.1	115.8	13.3	56.6	59.3	90.6	7.5	19.935683	-102.324601
T. Der. Cotija de La Paz	47.00	1	0	6209	56.5	73.3	120.3	16.4	62.2	76.9	115.6	13.4	56.8	58.9	88.1	7.1	19.700659	-102.492035
Los Reyes de Salgado	60.00	1	0	11628	70.1	79.7	97.5	11.3	67.6	76.9	93.9	11.2	66.4	76.4	98.4	12.1	19.624652	-102.487794
Los Reyes de Salgado	60.00	3	0	12649	64.7	72.1	87.9	8.7	64.4	71.7	84.9	8.7	63.0	70.7	89.1	9.9	19.569468	-102.456945
Peribán de Ramos	70.00	1	0	10759	64.3	74.1	91.8	11.5	64.4	74.5	94.8	12.0	61.5	72.8	92.7	12.9	19.541680	-102.438444
Peribán de Ramos	70.00	3	0	4261	56.4	63.6	75.3	9.2	54.0	61.0	72.7	8.3	52.0	60.9	74.5	10.5	19.500804	-102.428227
Buenavista	123.00	1	0	3985	64.1	75.6	95.9	12.6	61.9	70.6	90.8	10.4	62.3	74.7	101.5	14.2	19.232603	-102.584678

40 C A R R : La Paz - Tepetongo

CLAVE: 16557

RUTA: MICH

AÑO : 2012

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	2346	72.8	86.2	119.6	14.9	67.6	94.8	109.6	17.0	71.0	94.4	140.5	21.6	20.172592	-100.281540
Hepitacio Huerta	5.20	1	0	3084	56.7	64.0	76.6	9.5	51.1	59.8	70.9	10.4	49.5	59.9	74.1	12.2	20.133902	-100.304087
Tepetongo	45.00	1	0	1886	72.8	81.1	93.2	10.0	61.7	70.6	81.5	9.2	65.2	71.7	81.5	7.8	19.898090	-100.155131

41 C A R R : Libramiento de Uruapan

CLAVE: 16425

RUTA: MICH

AÑO : 2012

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	28574	43.1	48.5	64.1	8.6	43.7	50.6	62.2	8.3	40.9	49.5	65.3	10.3	19.428931	-102.025172
T. C. Carapan - Playa Azul	9.70	1	1	15698	43.7	49.2	73.2	9.1	49.5	59.4	74.9	12.8	43.5	54.0	72.4	15.0	19.376932	-102.049392
T. C. Carapan - Playa Azul	9.70	1	2	15137	42.7	44.7	64.0	7.8	43.0	48.9	81.1	9.8	40.2	46.7	61.9	9.2	19.376956	-102.049395

MICHOACAN

42	C A R R : Pátzcuaro - Chupícuaro				CLAVE: 16241				RUTA : MICH				AÑO : 2012									
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	4715	57.2	64.9	86.0	10.4	48.6	54.1	71.5	10.4	52.1	59.6	90.8	11.3	19.540932	-101.621733
Erongarícuaro					17.00	1	0	3058	56.9	64.7	86.0	10.3	48.4	53.9	71.1	10.3	52.7	56.7	82.1	9.0	19.582027	-101.721374
Chupícuaro					41.80	1	0	1687	71.9	81.4	96.9	11.0	67.1	78.7	92.5	11.4	71.1	81.6	100.0	11.8	19.681553	-101.581357
43	C A R R : Ramal a Coahuayana				CLAVE: 16069				RUTA : MICH-069				AÑO : 2012									
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	2366	56.2	64.2	79.2	10.0	51.7	53.9	64.7	6.5	50.9	60.7	81.0	11.4	18.710747	-103.708028
Coahuayana					6.50																	
44	C A R R : Ramal a Infiernillo				CLAVE: 16010				RUTA : MICH-010				AÑO : 2012									
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	94	55.2	62.4	79.3	8.4	55.0	53.5	54.8	0.0	57.3	64.4	73.6	6.8	18.519344	-101.979984
Infiernillo					43.00																	
45	C A R R : San Felipe Alzati - Angangueo				CLAVE: 16556				RUTA : MICH-044				AÑO : 2012									
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	4106	41.6	46.8	60.4	8.3	38.6	46.9	53.9	8.7	38.7	46.1	55.0	9.6	19.496855	-100.373262
Angangueo					24.00	1	0	3541	41.0	44.7	55.4	7.5	34.0	40.0	52.3	7.3	36.1	42.5	54.3	8.6	19.613348	-100.315105
46	C A R R : San Juan Tumbio - Cherán				CLAVE: 16556				RUTA : MICH				AÑO : 2012									
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	2196	70.8	79.6	93.5	10.6	61.5	68.4	80.2	8.3	63.7	72.9	86.0	10.8	19.517074	-101.763421
Nahuatzen					28.50	3	0	4128	64.8	74.0	90.8	10.8	65.2	73.8	87.9	10.3	62.2	71.7	84.9	10.9	19.658652	-101.929700
Cherán					35.80	1	0	3654	64.7	74.0	91.2	10.8	67.1	74.1	83.4	9.1	63.2	72.7	86.9	11.1	19.670064	-101.947480

MICHOACAN

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

CLAVE: 16556

ruta: MICH

AÑO: 2012

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. Carapan - Playa Azul	0.00	3	0	4860	72.3	82.1	106.1	12.5	68.5	76.9	108.6	11.7	66.0	77.4	111.3	13.4	19.530195	-102.078896
Peribán de Ramos	50.00	1	0	5082	63.6	70.8	83.1	8.7	61.8	68.7	79.3	8.7	61.2	69.4	82.9	9.9	19.542032	-102.410704

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

CLAVE: 16584

ruta: MICH-122

AÑO: 2012

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	8633	60.6	69.8	84.4	10.8	55.0	57.1	64.2	3.9	55.7	64.1	84.0	10.7	19.686923	-100.515729
T. Der. Aporo	10.00	1	0	7052	58.4	66.1	87.5	11.1	54.8	54.6	63.3	2.8	52.4	60.3	75.9	10.5	19.701218	-100.469862
T. Der. Aporo	10.00	3	0	5861	77.6	89.1	110.6	13.1	67.5	76.9	89.8	10.5	69.6	82.2	102.1	13.6	19.704400	-100.468166
T. Der. Seguío	14.00	3	0	4927	82.4	93.2	109.2	12.2	62.4	72.9	90.9	10.2	72.0	84.0	101.1	13.6	19.739073	-100.461163
Maravatío de Ocampo	28.00	1	0	6368	60.5	69.5	84.3	10.7	54.7	59.0	69.2	5.7	54.9	62.9	82.6	9.5	19.872106	-100.450035

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

CLAVE: 00195

ruta: EM-003-MICH

AÑO: 2012

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	3367	73.4	83.2	99.6	11.1	58.0	62.8	75.3	6.0	66.4	78.6	93.6	12.8	19.651607	-100.135527
T. C. V. Victoria - El Oro de Hidalgo	0.00	3	2	3372	72.3	82.7	99.6	11.8	56.7	55.3	71.7	3.8	64.7	77.3	92.8	13.0	19.651607	-100.135527
Lim. Edos. Term. Mex. Ppia. Mich	17.70																	
Angangueo	24.00	1	0	1074	37.6	48.2	65.9	11.6	30.5	48.3	54.1	13.3	29.0	41.5	70.8	12.8	19.636536	-100.273389

50 CARR: Tepalcatepec - Aquila

CLAVE: 16421

ruta: MICH

AÑO: 2012

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	4574	34.7	46.7	53.9	9.5	40.0	48.8	55.0	10.0	44.2	52.1	54.9	11.2	19.161262	-102.852245
Coalcomán de Vázquez Pallares	70.30	1	0	1509	34.8	47.0	53.9	9.6	39.7	48.6	54.8	9.8	44.7	52.2	54.8	11.1	18.793906	-103.146136
Aquila	160.20	1	0	497	33.0	42.2	53.4	9.1	39.4	49.0	54.8	10.0	33.9	44.0	54.4	10.4	18.599229	-103.496593

51 CARR: Tiripetío - Eréndira

CLAVE: 16422

ruta: MICH

AÑO: 2012

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	1581	57.7	65.5	80.6	10.3	55.9	62.6	77.5	8.7	54.1	62.5	81.8	10.4	19.542506	-101.349434

MICHOACAN

51 CARR: Tiripetío - Eréndira

CLAVE: 16422

RUTA: MICH

AÑO: 2012

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
Acuitzio del Canje	7.90	3	0	4622	60.5	68.1	81.7	9.6	53.9	61.7	73.8	9.1	52.3	61.4	74.3	10.7	19.473439	-101.332766
Villa Madero	23.20	1	0	4434	57.8	65.8	80.9	10.4	56.0	62.6	77.6	8.6	53.5	61.1	78.1	9.8	19.397864	-101.283528
T. C. Zitácuaro - Cd. Altamirano	150.00	1	0	891	58.1	68.9	84.1	11.5	51.8	60.2	100.8	12.3	46.3	54.1	72.6	11.7	18.827772	-100.933768

52 CARR: Tocumbo - Cotija

CLAVE: 16042

RUTA: MICH-042

AÑO: 2012

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. Jacona - Buenavista	0.00	3	0	3706	70.5	82.6	101.3	13.2	67.5	77.4	93.8	11.0	66.0	78.7	98.8	13.3	19.698400	-102.497053
Cotija de La Paz	28.99																	

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

CLAVE: 00448

RUTA: MICH

AÑO: 2012

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
Ucareo	0.00	3	0	3007	51.5	60.5	77.8	10.6	49.4	52.5	54.8	6.5	47.4	55.8	73.8	10.4	19.893705	-100.677541
T. Izq. Jarahuaro de Juárez	4.00	1	0	2401	35.2	41.3	53.4	7.3	36.3	44.0	53.5	8.1	32.8	37.6	52.4	7.8	19.881681	-100.653544
T. Izq. Jarahuaro de Juárez	4.00	3	0	704	58.6	68.9	90.3	11.9	57.1	74.0	92.2	13.1	56.2	68.9	93.3	12.6	19.879268	-100.651930
San Pedro Jácuaró	33.00	1	0	922	44.5	51.2	62.7	8.0	41.9	49.0	54.2	8.1	39.3	48.7	55.0	9.7	19.718274	-100.652865
San Pedro Jácuaró	33.00	3	0	3237	56.3	66.3	84.5	11.3	49.6	53.9	65.8	8.7	49.9	61.3	80.1	12.4	19.712855	-100.637659

54 CARR: Uruapan - El Copetiro

CLAVE: 00448

RUTA: MICH

AÑO: 2012

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
Uruapan	0.00	3	0	10078	44.1	49.5	64.7	8.1	39.9	45.3	54.8	8.4	39.3	47.1	59.9	10.1	19.381654	-102.081125
San Juan Parangaricutiro	12.50	3	0	4223	43.9	49.4	64.7	8.3	40.0	45.2	54.2	8.2	39.8	49.2	54.8	10.8	19.411045	-102.138458
El Copetiro	62.50	1	0	1694	65.3	77.5	100.2	12.4	54.1	53.8	70.5	3.4	58.0	65.6	99.0	10.6	19.453368	-102.449214

55 CARR: Zacapu - Villachuatío

CLAVE: 16039

RUTA: MICH-039

AÑO: 2012

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
Zacapu	0.00	3	0	7902	59.9	68.1	81.4	9.9	52.8	57.1	72.5	7.9	52.9	57.9	73.2	8.1	19.838656	-101.768363
Panindícuaro	21.00	3	0	2807	60.0	68.1	81.3	9.8	53.9	60.2	75.0	8.0	52.4	56.9	73.2	8.4	19.981752	-101.746390

MICHOACAN

55 C A R R : Zacapu - Villachuato

CLAVE: 16039

ruta: MICH-039

AÑO : 2012

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. Cuitzeo - Zinápapo	43.00	1	0	1135	60.4	68.7	81.5	9.9	53.0	56.8	74.0	7.7	49.7	60.0	74.2	11.4	20.140765	-101.653832

56 C A R R : Zicuirán - Churumuco

CLAVE: 16242

ruta: MICH

AÑO : 2012

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	1374	47.4	59.9	80.6	12.3	46.0	60.0	82.0	14.9	46.1	63.7	87.4	15.8	18.872423	-101.960317
Churumuco	53.42	1	0	1476	72.6	85.9	106.5	14.3	75.7	88.8	112.0	15.4	72.1	85.3	103.8	14.5	18.667248	-101.661829

57 C A R R : Libramiento de La Piedad (Cuota)

CLAVE: 16015

ruta: MICH-D

AÑO : 2012

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 - Zapotlanejo	0.00	3	0	7910	45.1	60.6	79.4	16.4	40.0	51.4	63.4	13.5	40.1	48.3	61.0	10.6	20.352549	-102.021346
Caseta de Cobro Puente La Piedad	1.30	2	0	7894													20.352761	-102.025158
T. C. Irapuato - Zapotlanejo	3.00																	

58 C A R R : Atlacomulco - Morelia

CLAVE: 00151

ruta: EM-005-MEX-126

AÑO : 2012

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
Atlacomulco	0.00	3	1	8702	70.2	86.8	106.7	18.5	72.8	88.4	103.9	16.6	57.1	82.6	100.6	23.2	19.790201	-99.892041
Atlacomulco	0.00	3	2	8468	57.1	68.3	123.9	12.9	54.8	54.5	74.7	4.2	56.2	54.9	79.0	4.9	19.790162	-99.892036
T. Izq. San Felipe del Progreso	3.60	3	0	11264	101.9	120.3	138.2	17.8	79.3	107.2	125.4	24.0	97.7	124.9	142.4	23.9	19.804342	-99.967424
T. Der. San Francisco Tepeolulco	13.10	1	0	9751	99.8	127.0	142.4	22.4	95.1	137.7	144.0	31.8	94.2	134.6	143.6	28.3	19.803331	-99.981076
T. Der. San Francisco Tepeolulco	13.10	3	0	9227	86.5	98.6	118.9	13.4	76.0	88.3	101.1	13.7	78.7	91.8	112.9	14.5	19.804421	-99.988365
T. Der. Temascalcingo	16.40	1	0	8853	78.8	94.2	114.0	15.3	70.4	83.8	99.3	13.8	70.3	86.9	109.4	16.1	19.808546	-100.016869
T. Der. Temascalcingo	16.40	3	0	5027	89.0	117.7	140.6	22.6	80.4	107.1	142.2	20.8	88.6	122.7	142.8	26.0	19.809683	-100.024633
El Oro de Hidalgo	30.00	1	0	7308	67.4	81.1	101.6	14.3	61.2	71.3	83.6	10.7	60.8	74.1	95.5	13.8	19.807228	-100.120656
Lim. Edos. Term. Mex. Ppia. Mich.	31.00																	
Tlalpujahua	37.00	3	0	5122	54.0	63.8	78.1	10.7	50.9	54.0	63.2	7.5	50.6	60.3	78.3	11.9	19.793966	-100.188132
Maravatío de Ocampo	79.00	1	0	5376	52.3	61.5	79.4	10.5	48.5	52.9	60.8	9.0	48.5	59.9	78.8	12.1	19.885229	-100.429675
X. C. Ent. Huajúmbaro - San José	120.00	1	0	3594	66.8	78.7	102.1	13.4	59.4	62.9	100.6	8.5	65.4	80.7	113.1	15.0	19.822057	-100.822261
Queréndaro	127.00	1	0	6789	75.9	96.5	128.7	18.5	68.9	84.7	106.3	14.1	72.4	92.8	128.3	18.3	19.807339	-100.878063
Zona Industrial Libramiento de Morelia	167.70	1	1	15275	65.1	70.6	82.3	6.6	61.4	64.1	73.6	6.5	60.7	63.9	73.6	6.8	19.720168	-101.149121

CLAVE: 00151

RUTA: EM-005-MEX-126

AÑO : 2012

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)

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
---------	----------

Zona Industrial Libramiento de Morelia

167.70

1	2	16791
---	---	-------

53.1	59.2	71.6	8.0
------	------	------	-----

47.2	51.9	61.0	7.0
------	------	------	-----

48.0	52.4	62.6	7.3
------	------	------	-----

19.720168 -101.149122

Morelia

169.20

59 C A R R : Opopeo - Puruarán

CLAVE: 16241

RUTA : MEX-041-MICH

AÑO : 2012

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)

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. Quiroga - Tepalcatepec

0.00

3 0 3735

42.7	49.1	61.1	8.2
------	------	------	-----

44.2	51.0	54.5	8.5
------	------	------	-----

38.5	44.1	54.9	8.8
------	------	------	-----

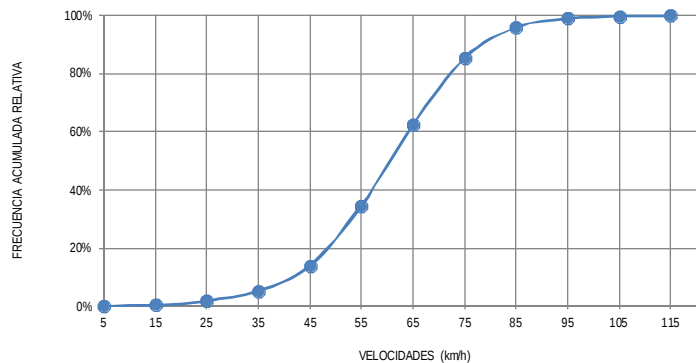
19.415712 -101.604836

Puruarán

71.00

1 Carr: Acámbaro - Zinapécuaro

CLAVE: 00417

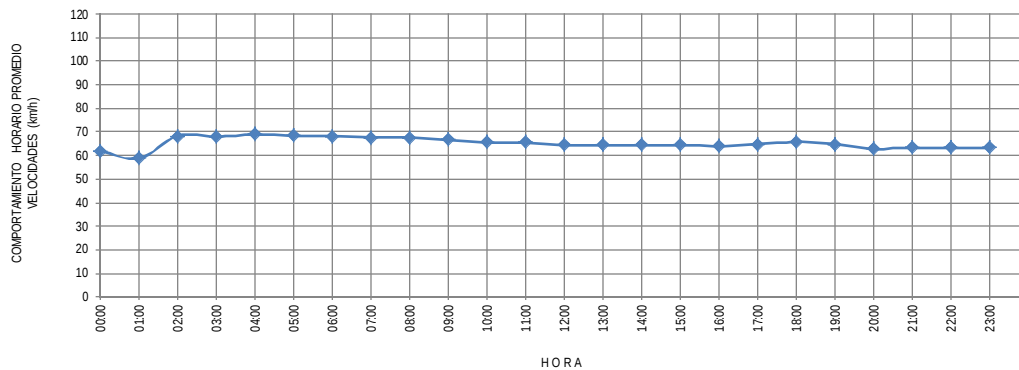


RUTA: MEX-120

KM: 0.000

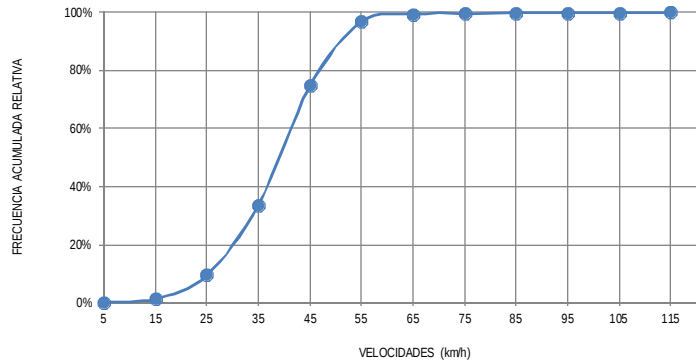
TE: 3

SC: 0



2 Carr: Carapan - Playa Azul

CLAVE: 16126

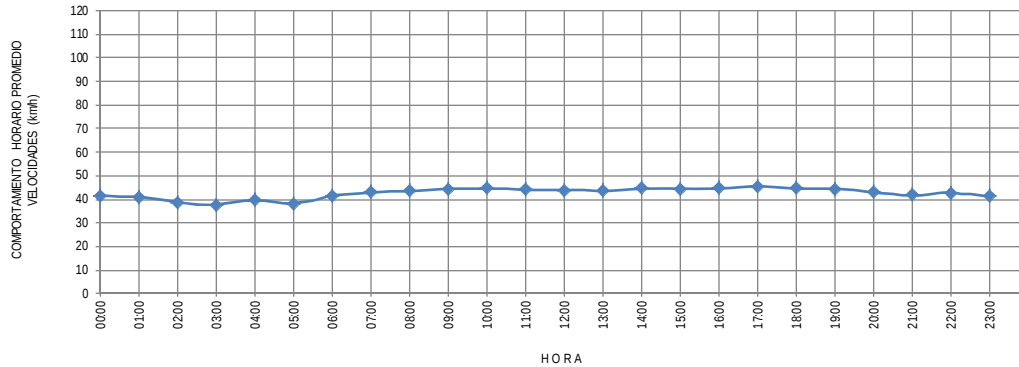


RUTA: MEX-037

KM: 0.000

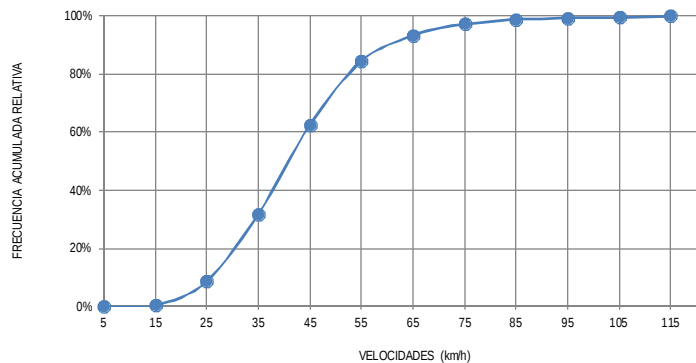
TE: 3

SC: 0



3 Carr: Ent. Pati - Sahuayo

CLAVE: 16181

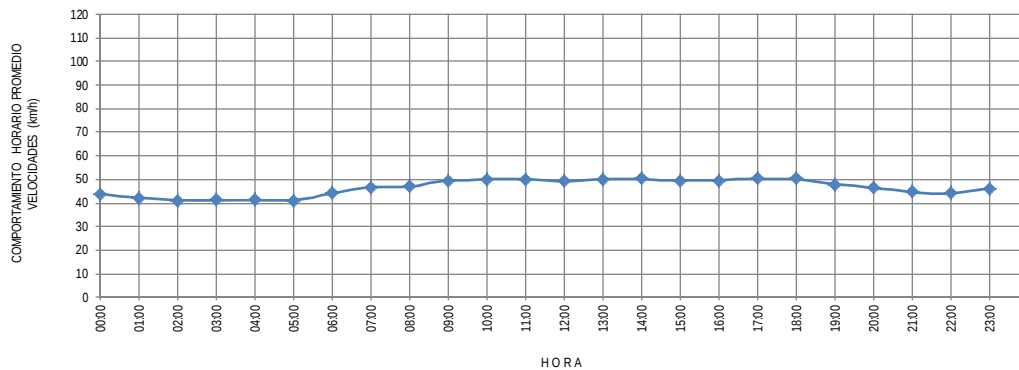


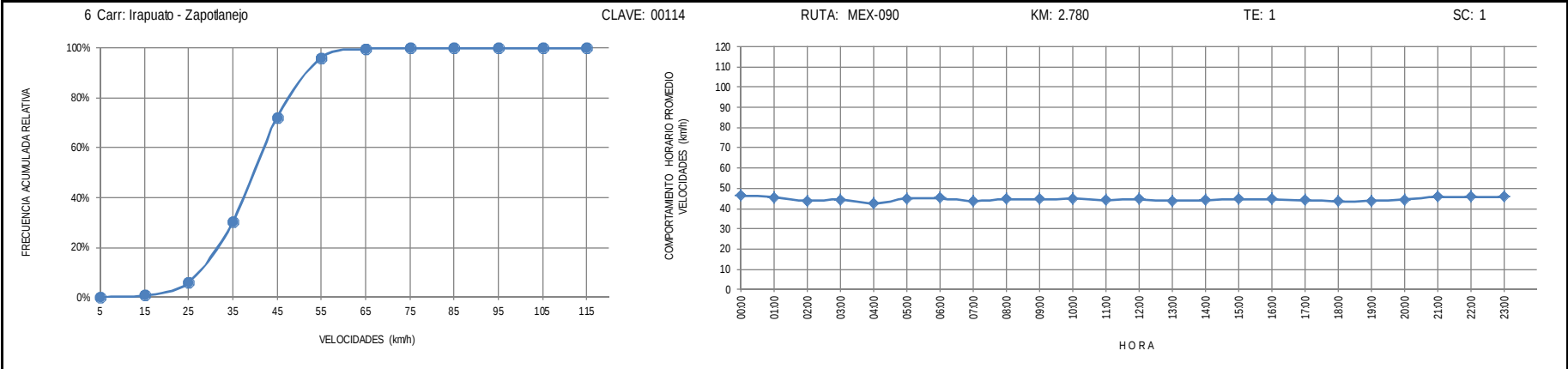
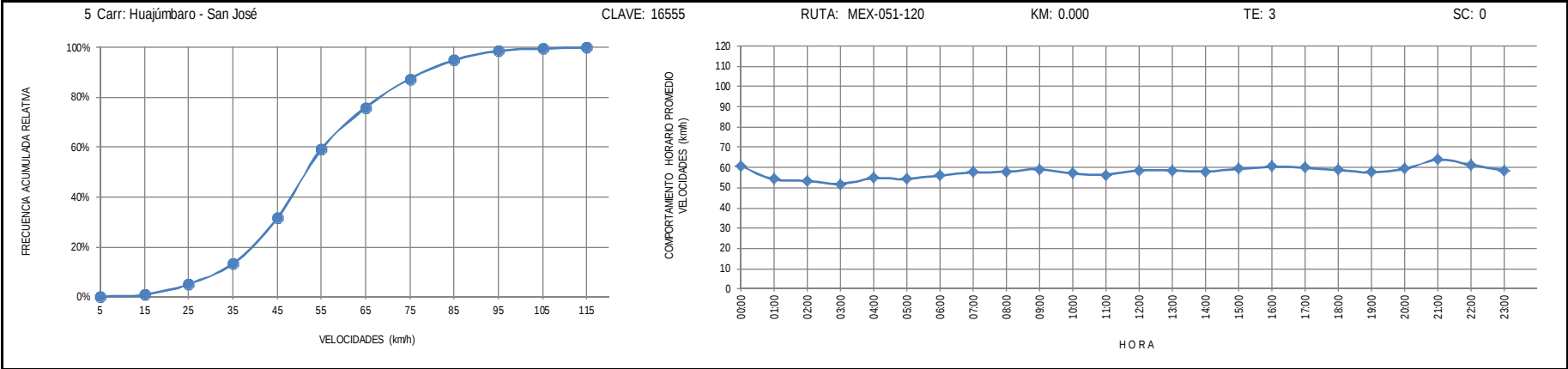
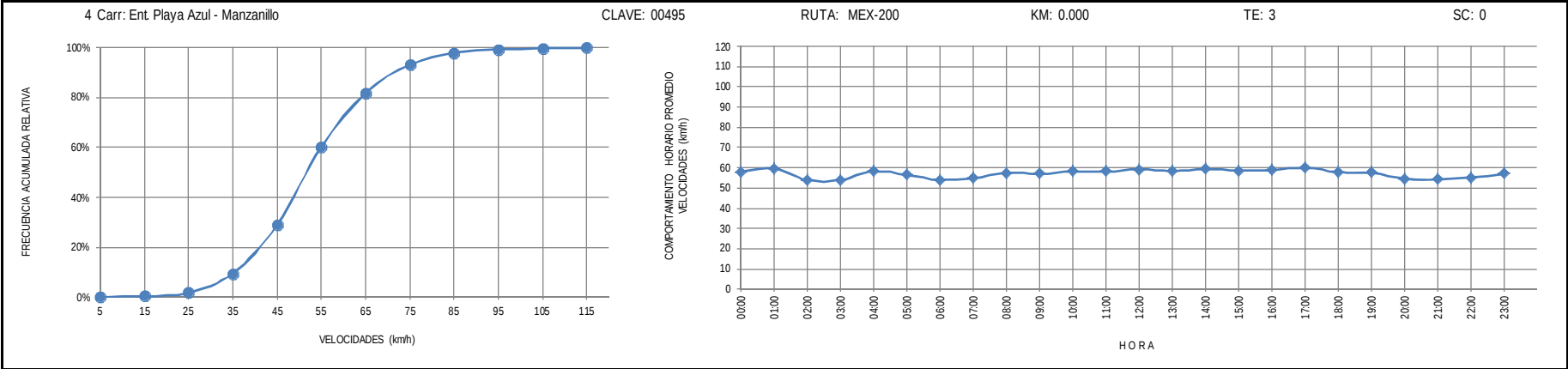
RUTA: MEX-110

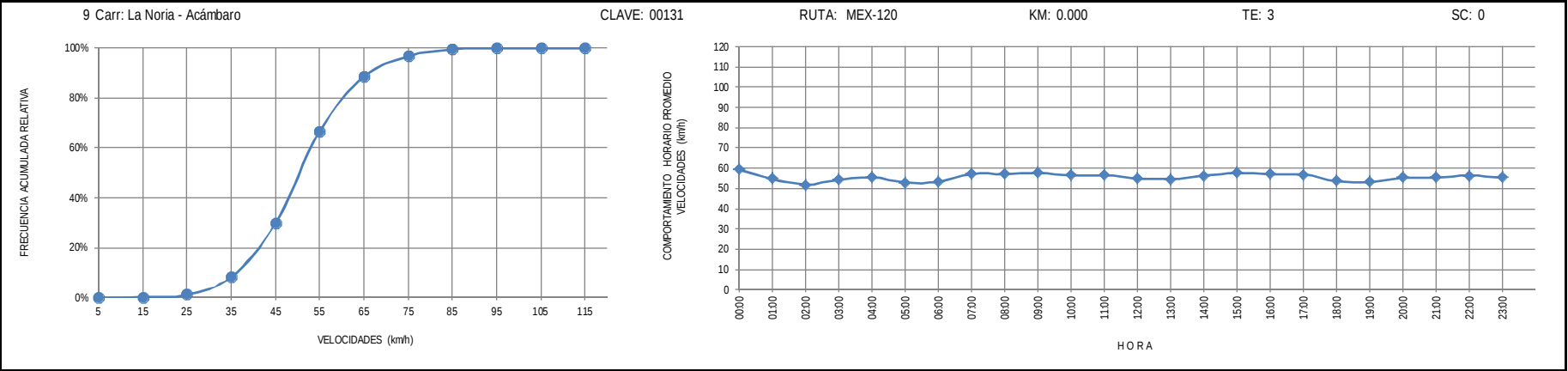
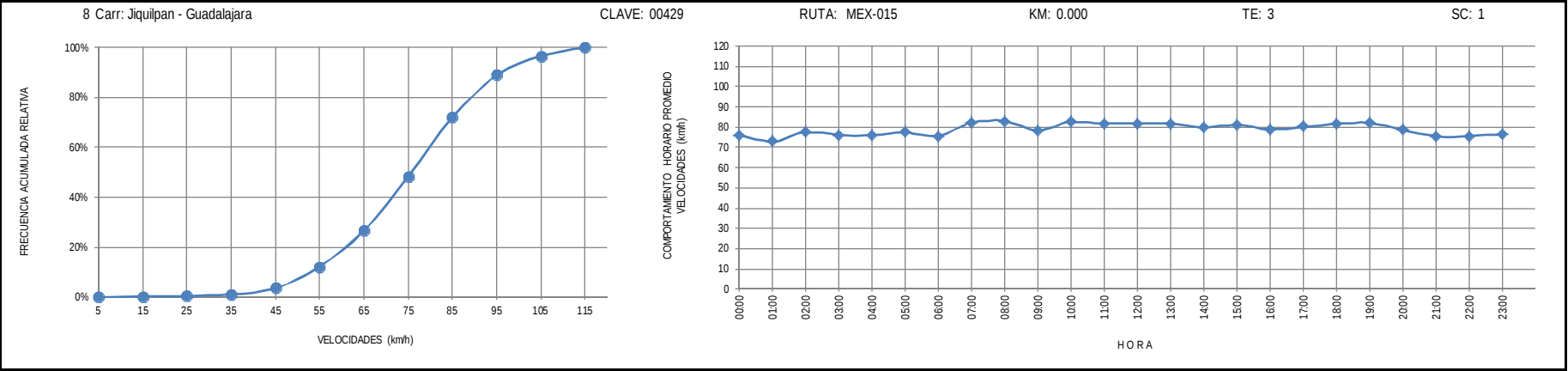
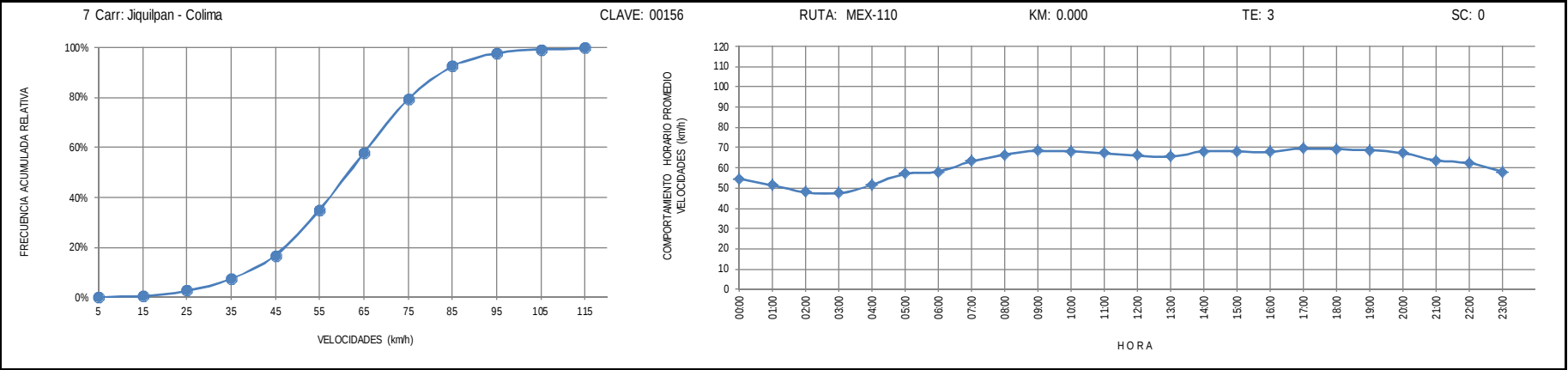
KM: 0.000

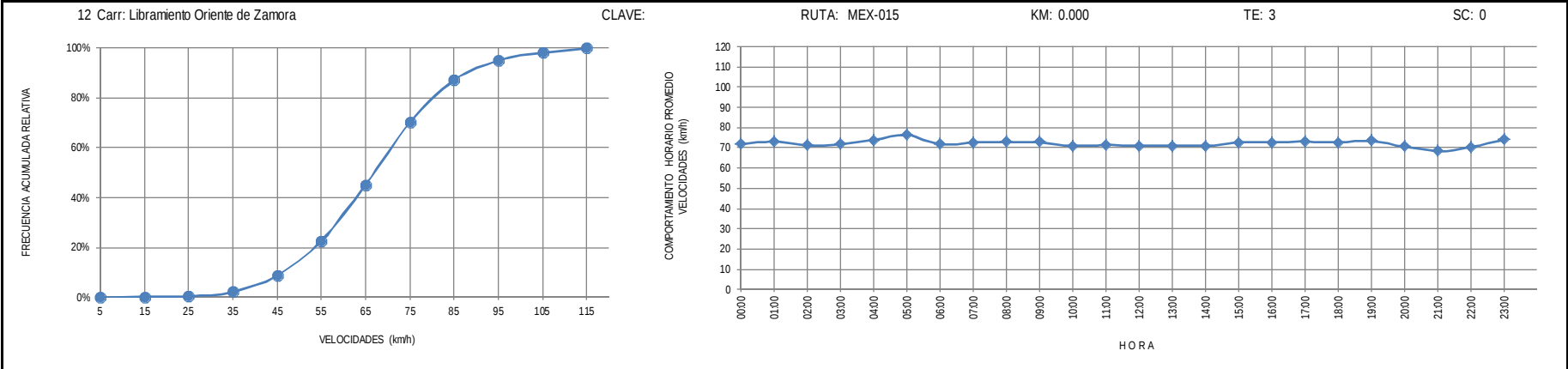
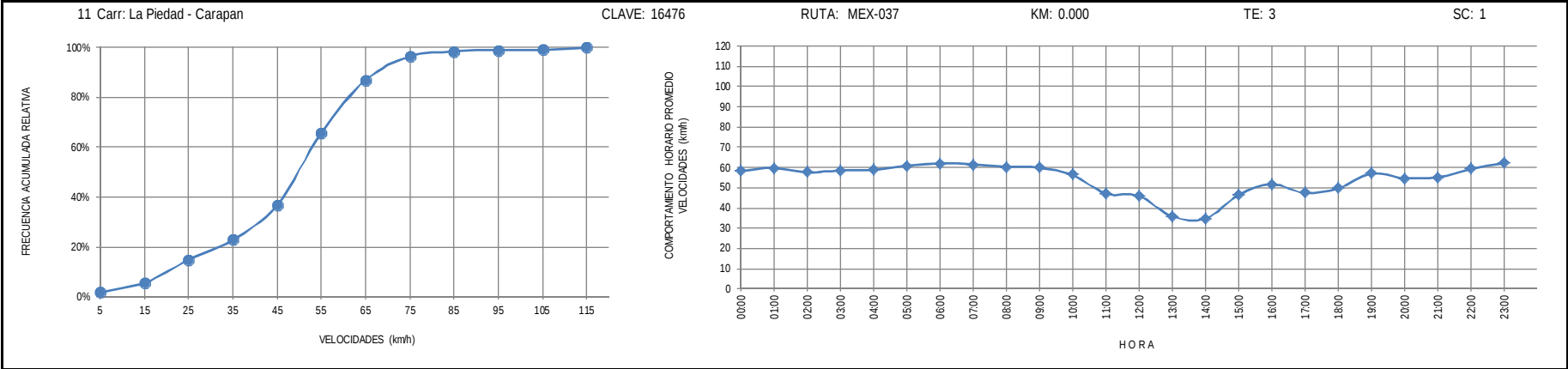
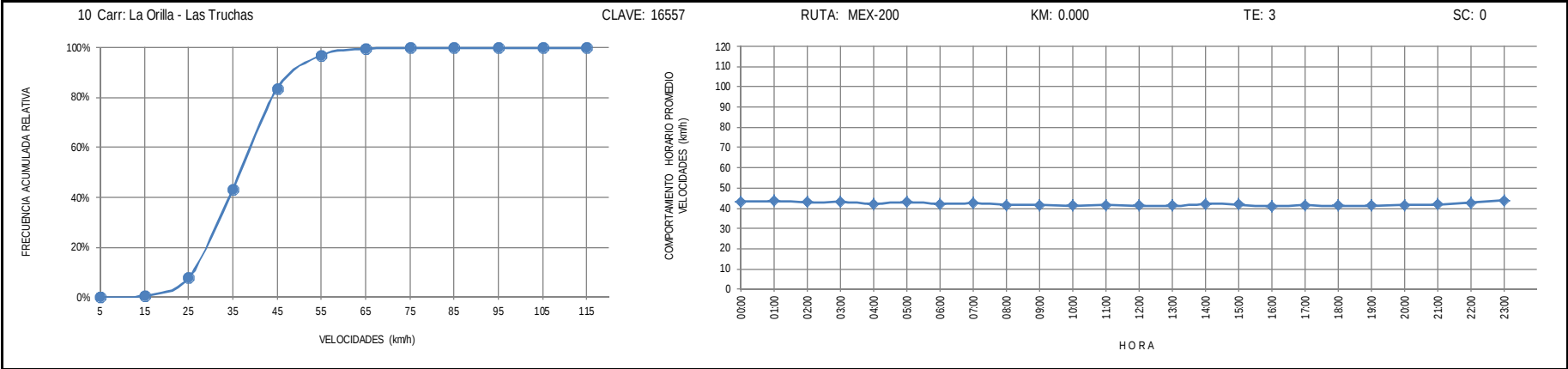
TE: 3

SC: 0









13 Carr: Maravatío - Acámbaro

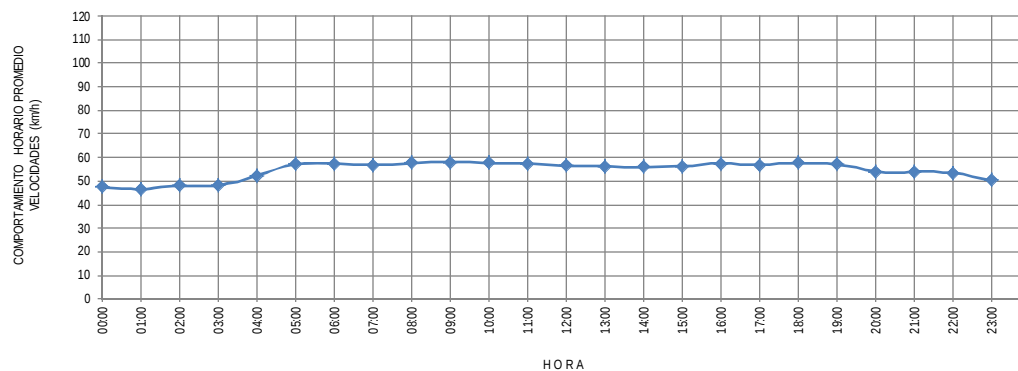
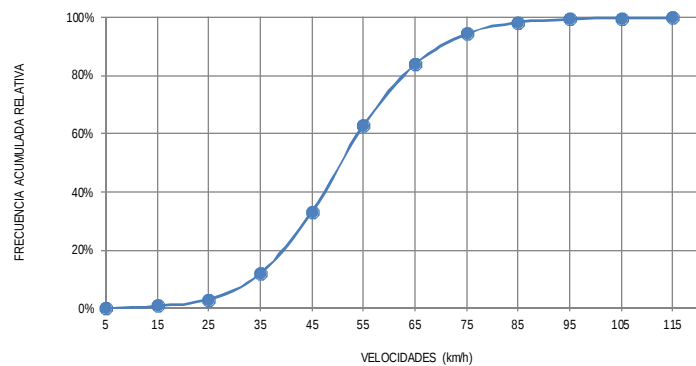
CLAVE: 00418

RUTA: MEX-061

KM: 0.000

TE: 3

SC: 0



14 Carr: Morelia - Jiquilpan

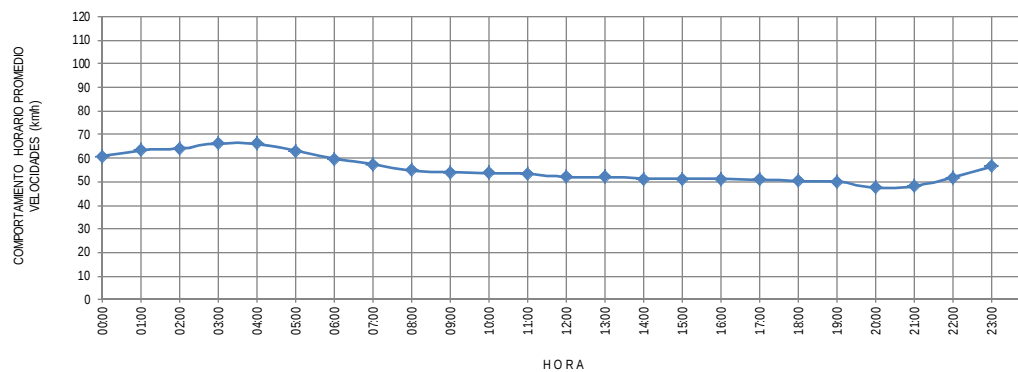
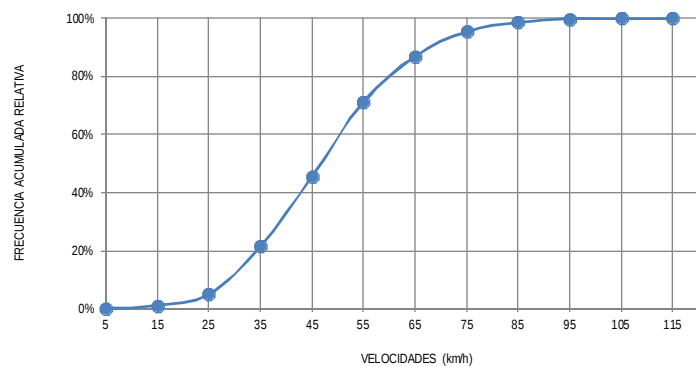
CLAVE: 16029

RUTA: MEX-015

KM: 3.100

TE: 3

SC: 1



15 Carr: Morelia - Pátzcuaro

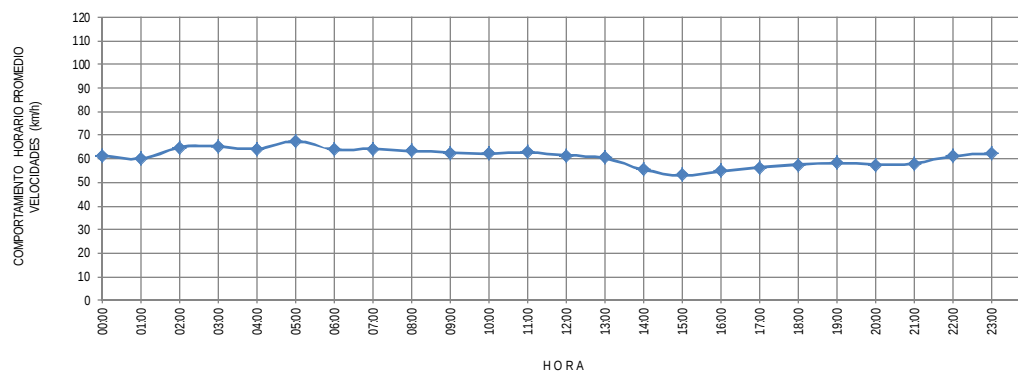
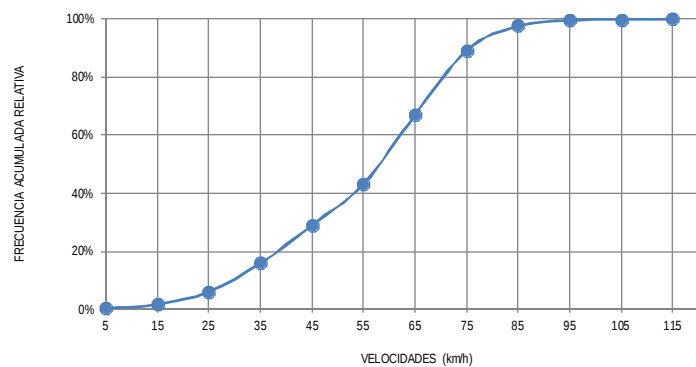
CLAVE: 16009

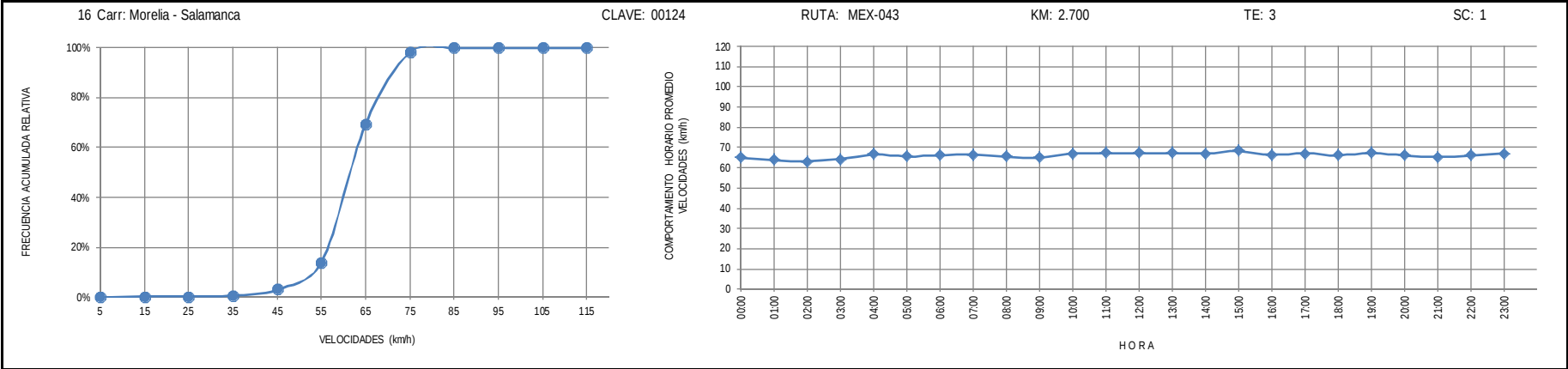
RUTA: MEX-014

KM: 3.000

TE: 3

SC: 1





19 Carr: Rinconada - La Piedad

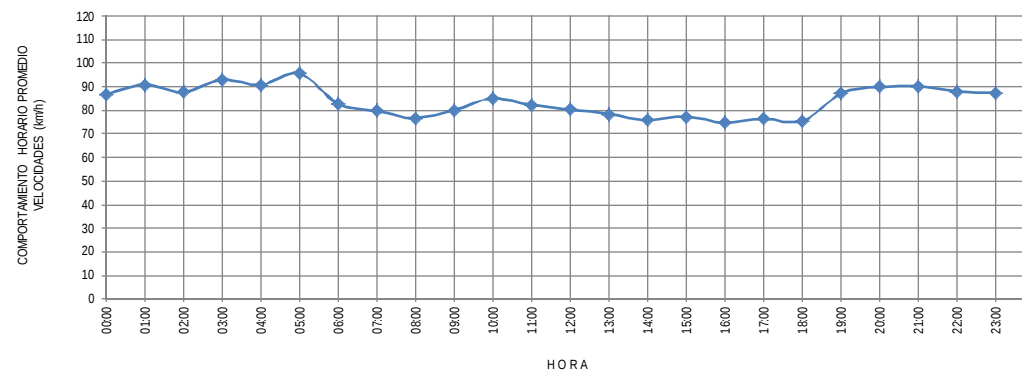
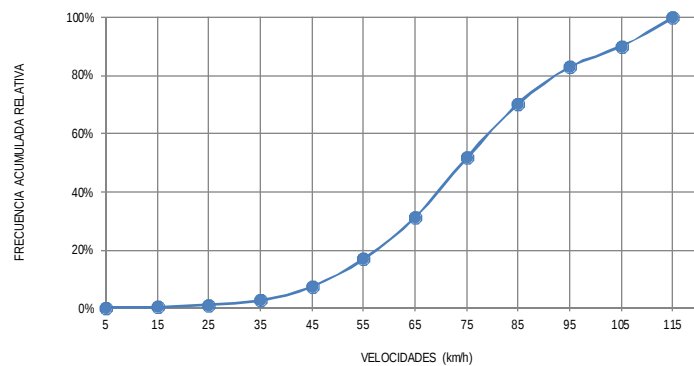
CLAVE: 16243

ruta: MEX-015

KM: 0.000

TE: 3

SC: 0



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

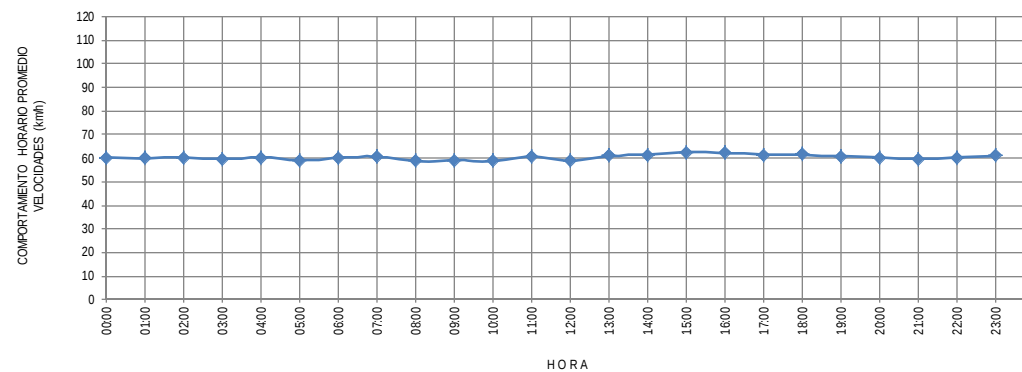
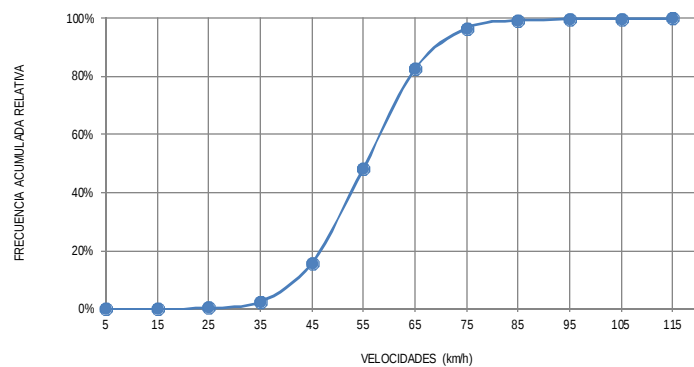
CLAVE: 16421

ruta: MEX-200

KM: 0.000

TE: 3

SC: 1



21 Carr: Toluca - Cd. Altamirano

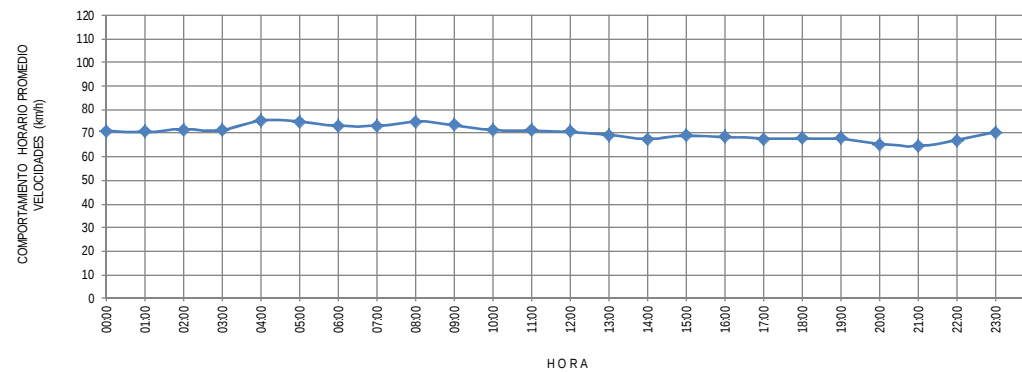
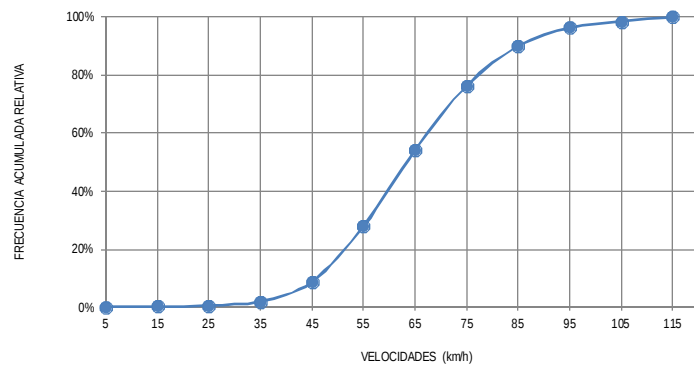
CLAVE: 00020

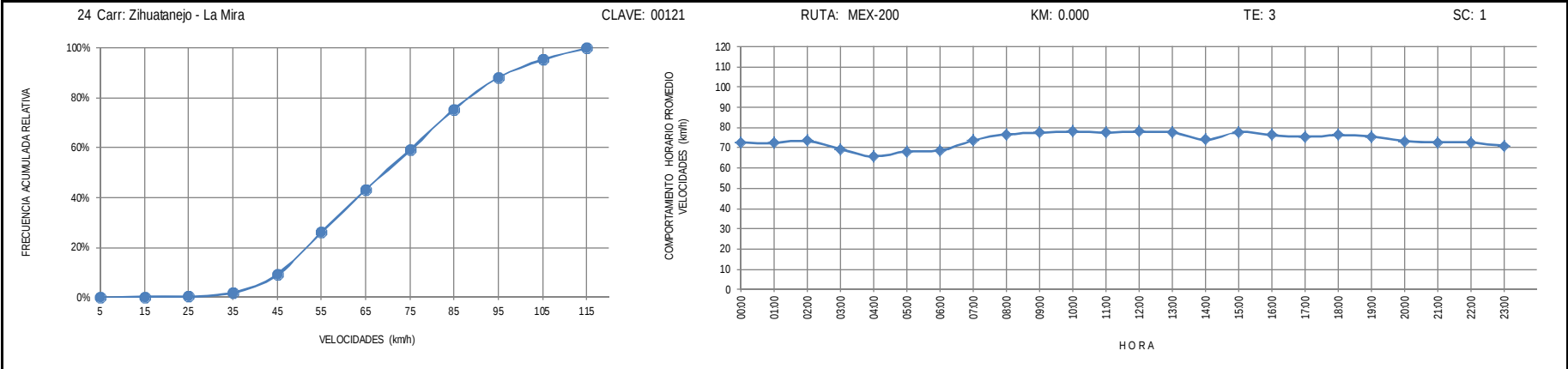
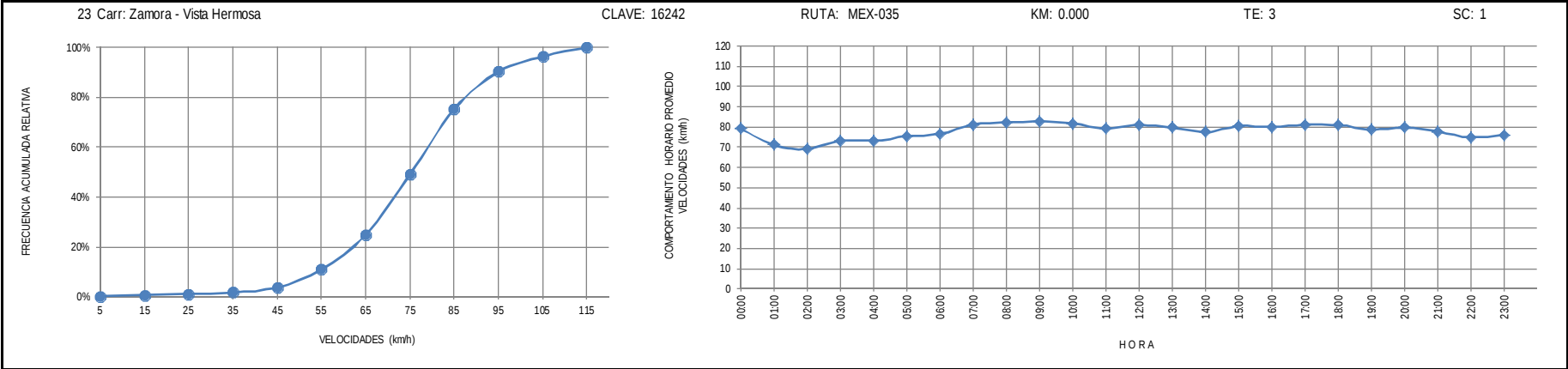
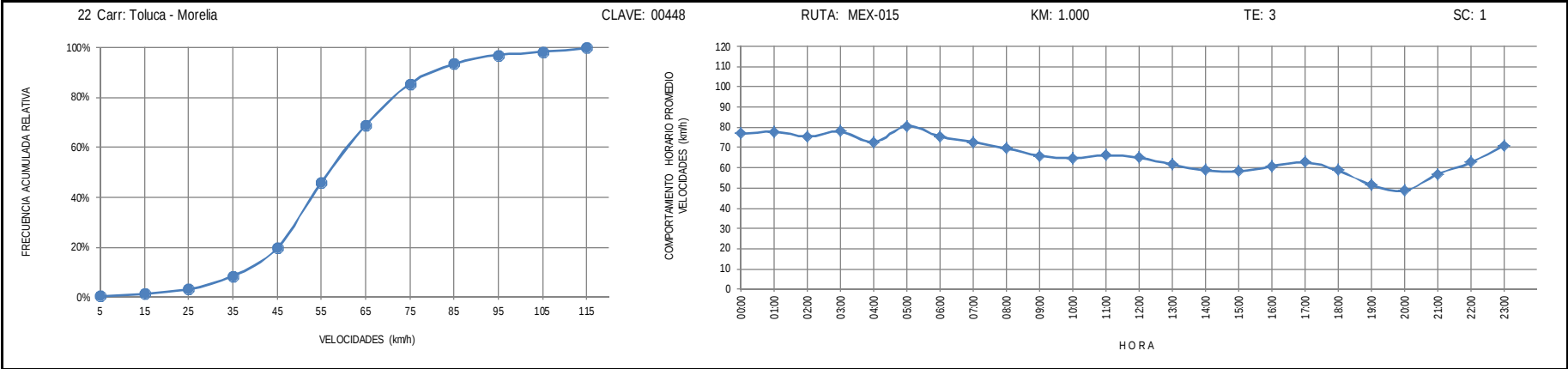
ruta: MEX-134

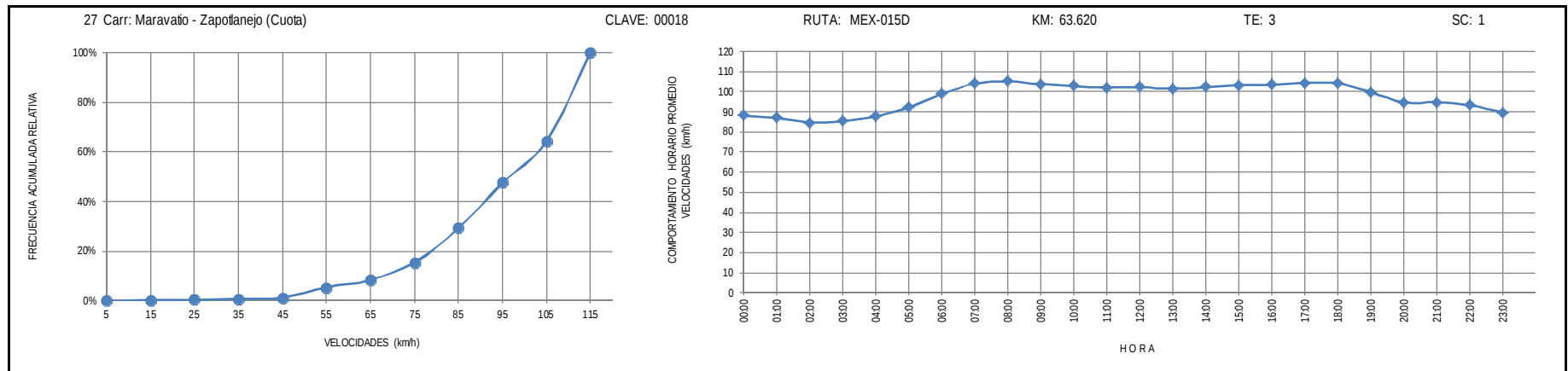
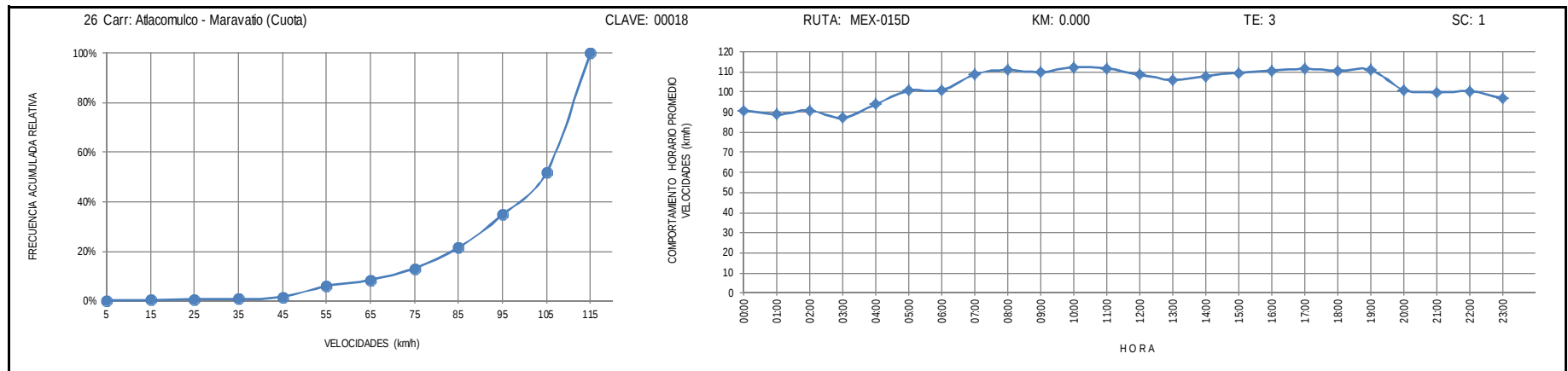
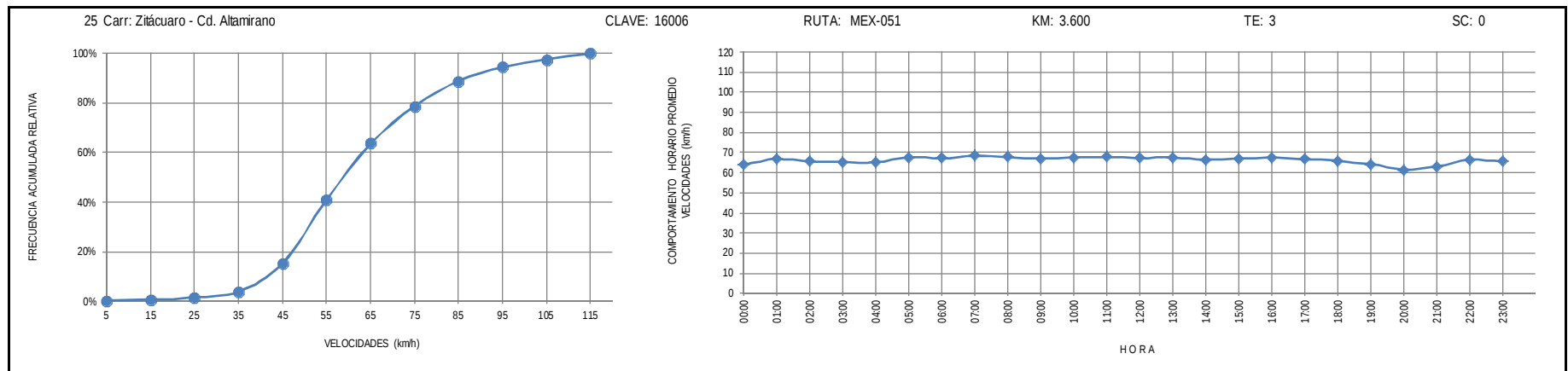
KM: 1.780

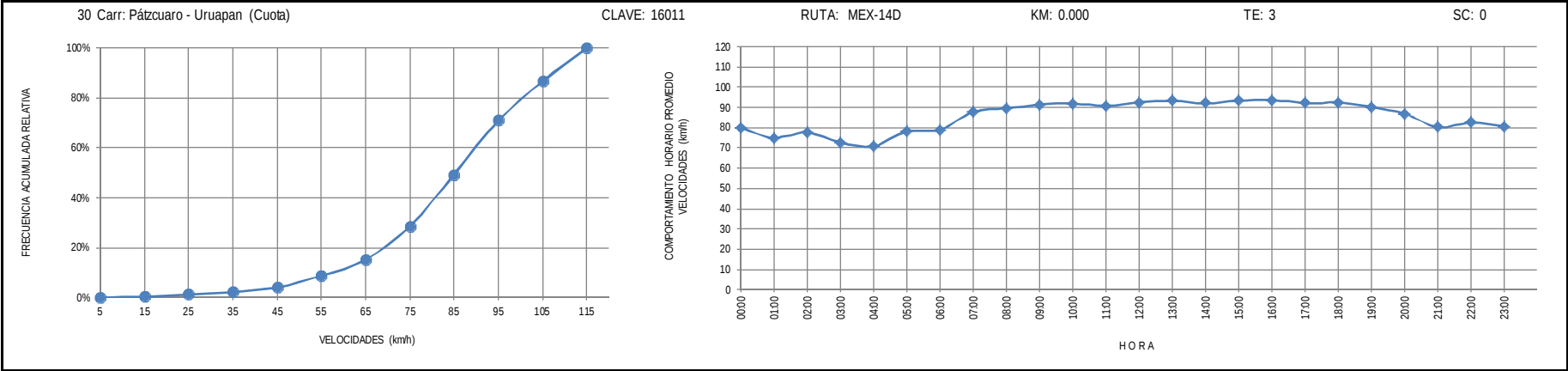
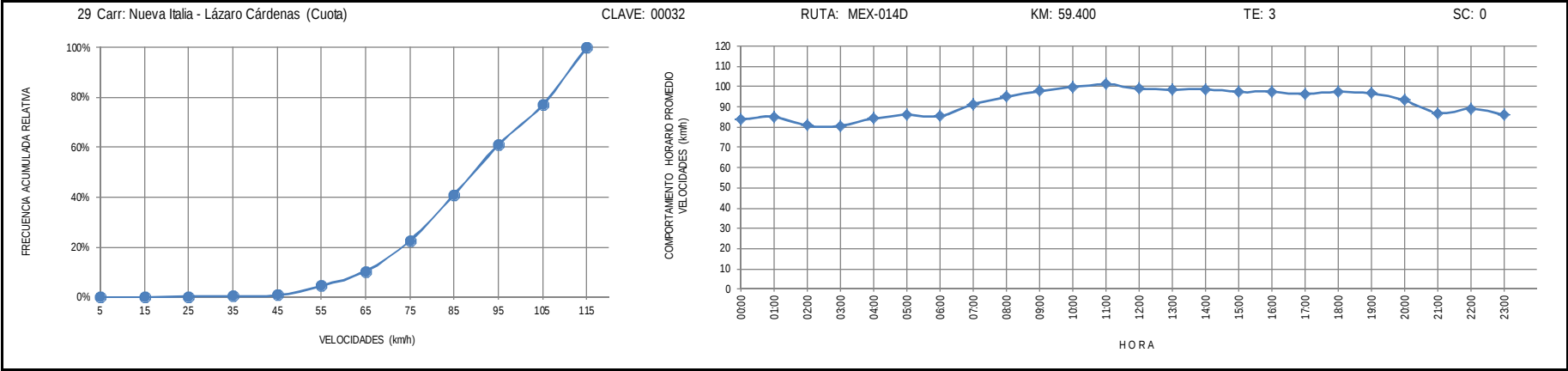
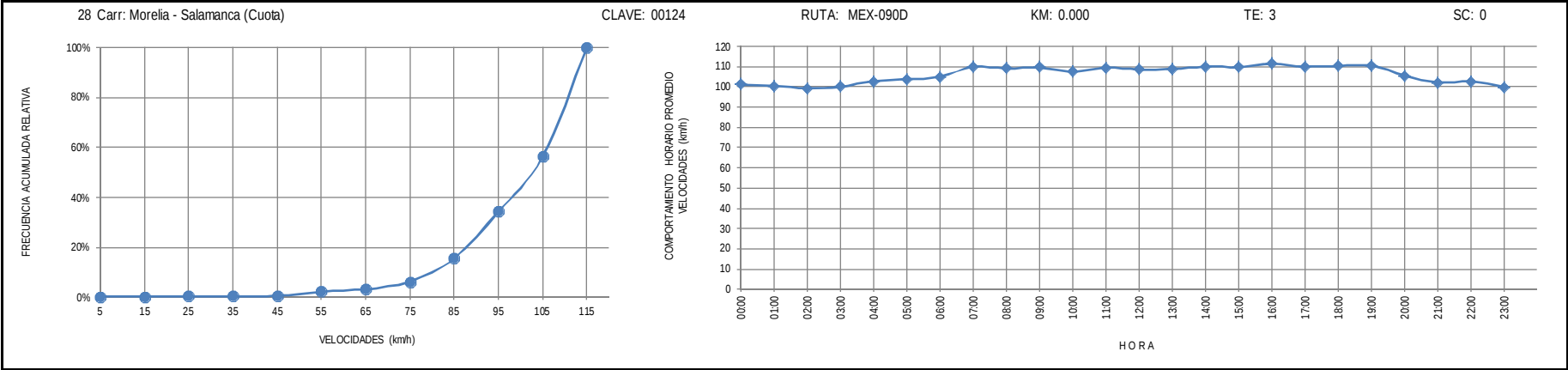
TE: 3

SC: 1









31 Carr: Uruapan - Nueva Italia (Cuota)

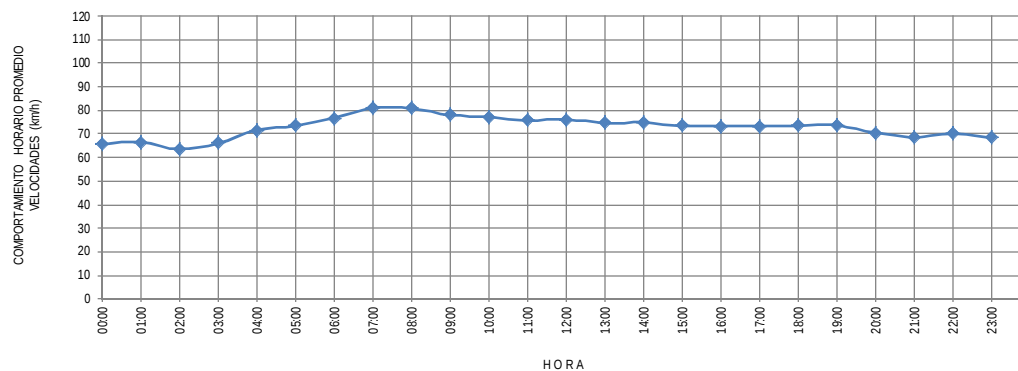
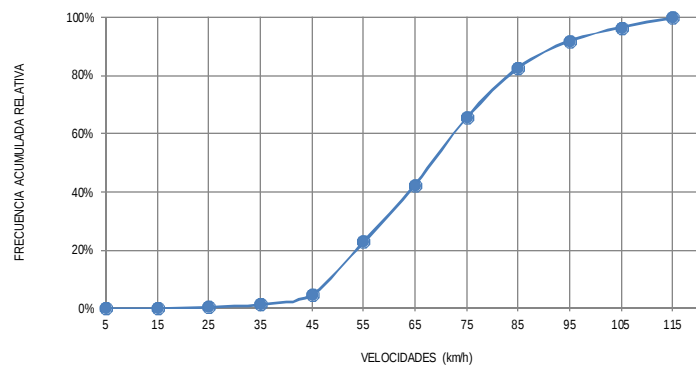
CLAVE: 00032

ruta: MEX-014D

KM: 0.000

TE: 3

SC: 0



32 Carr: Apatzingán - Aguilla

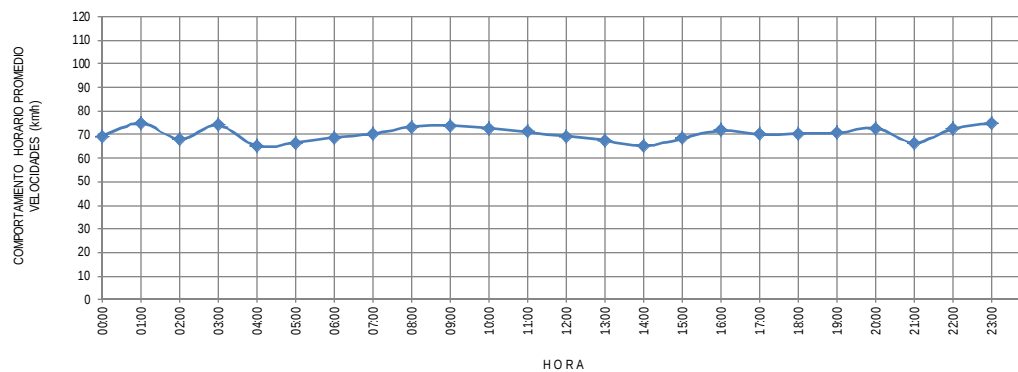
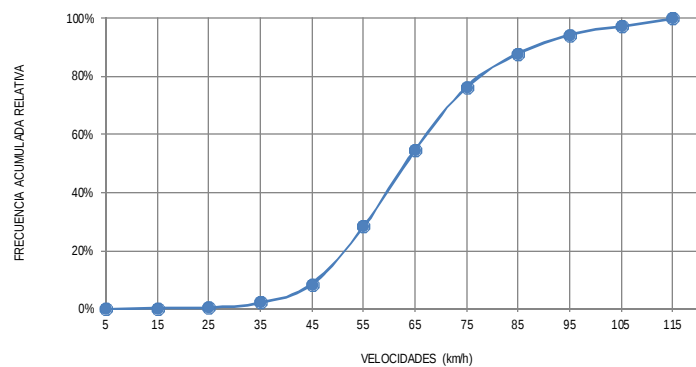
CLAVE: 16591

ruta: MICH

KM: 0.000

TE: 3

SC: 0



33 Carr: Comanja - Huaniqueo

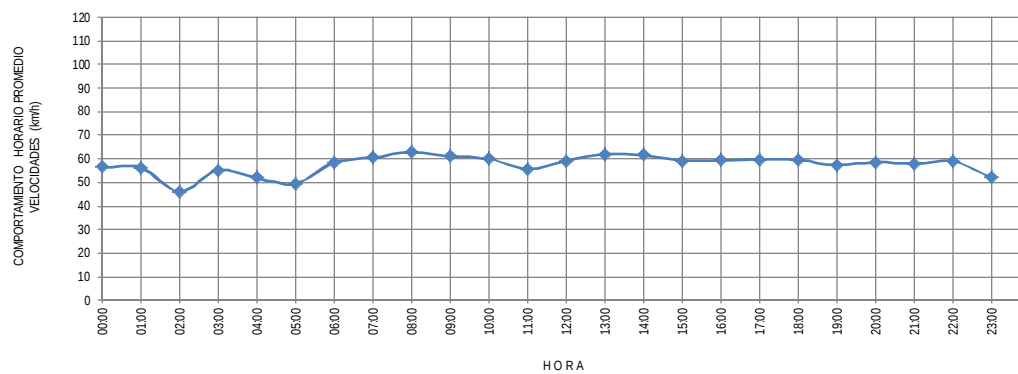
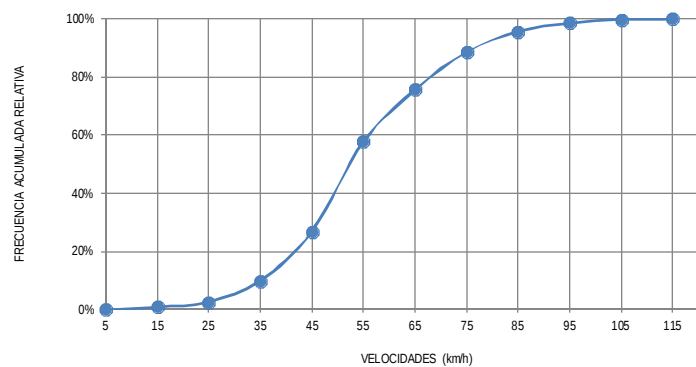
CLAVE: 16024

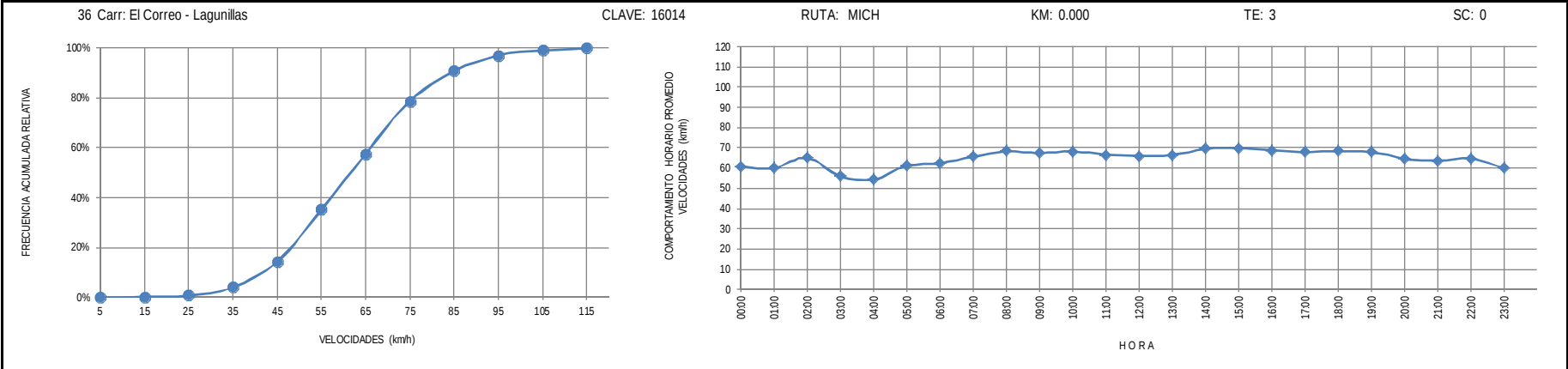
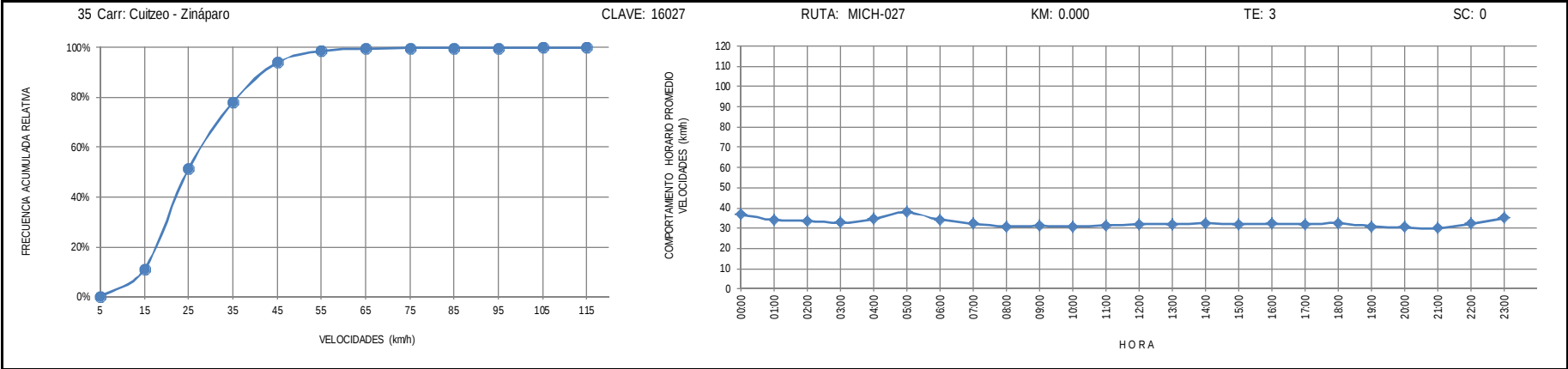
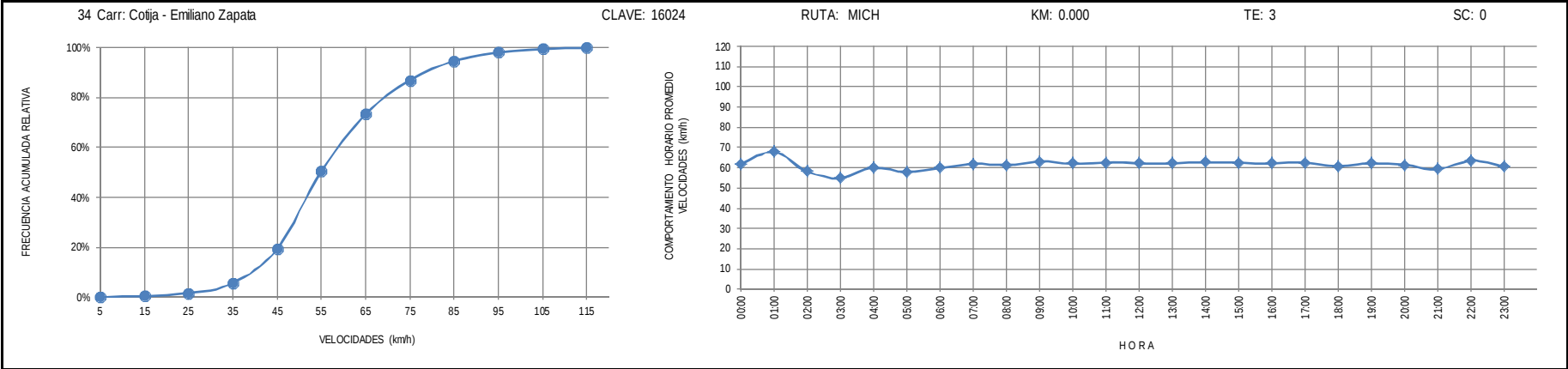
ruta: MICH-024

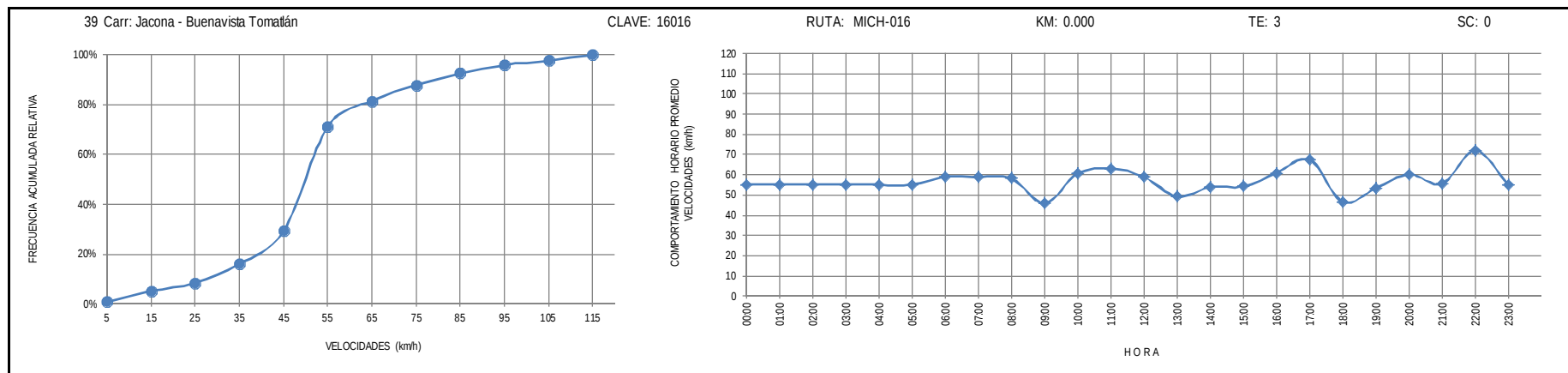
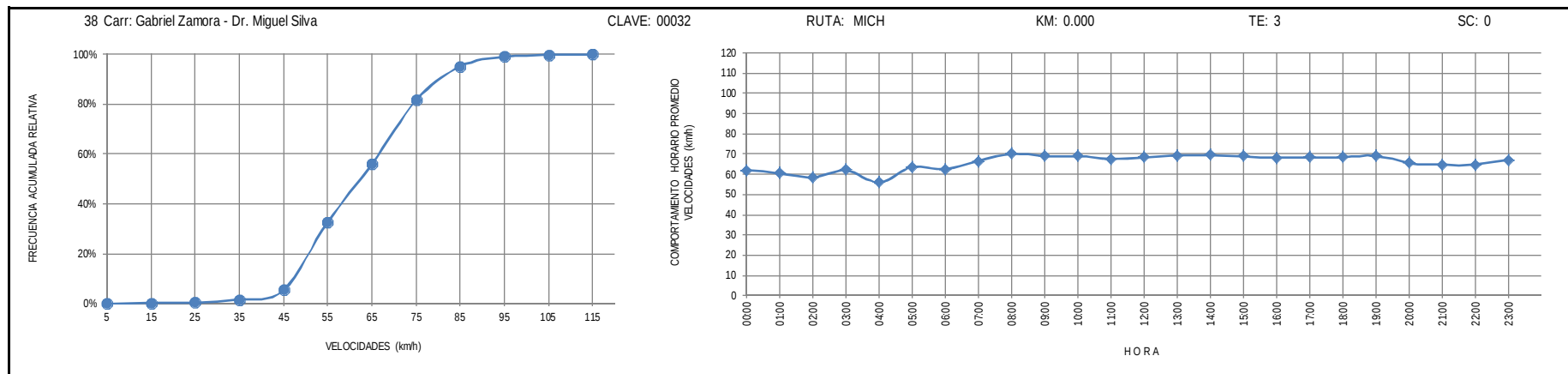
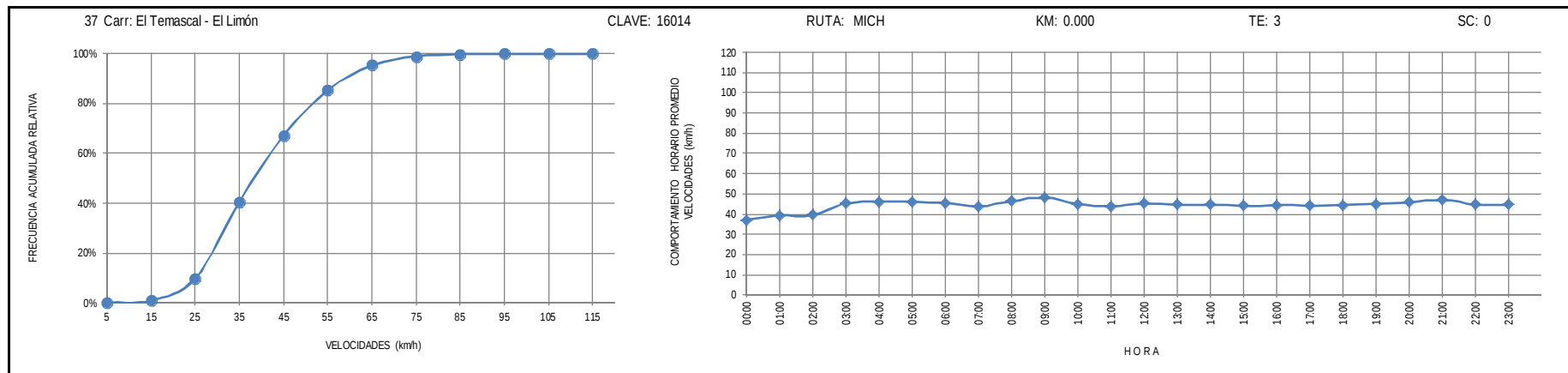
KM: 0.000

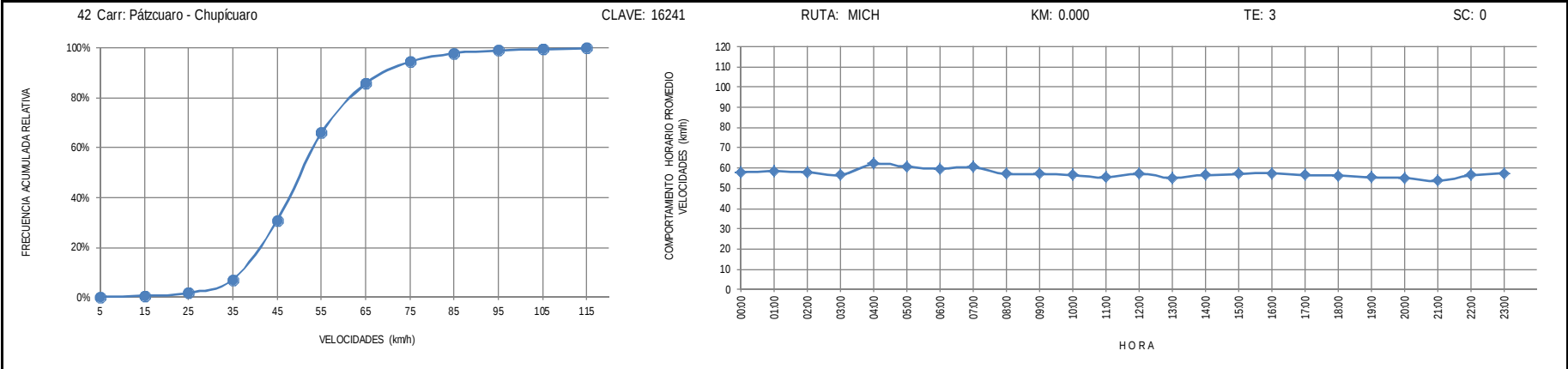
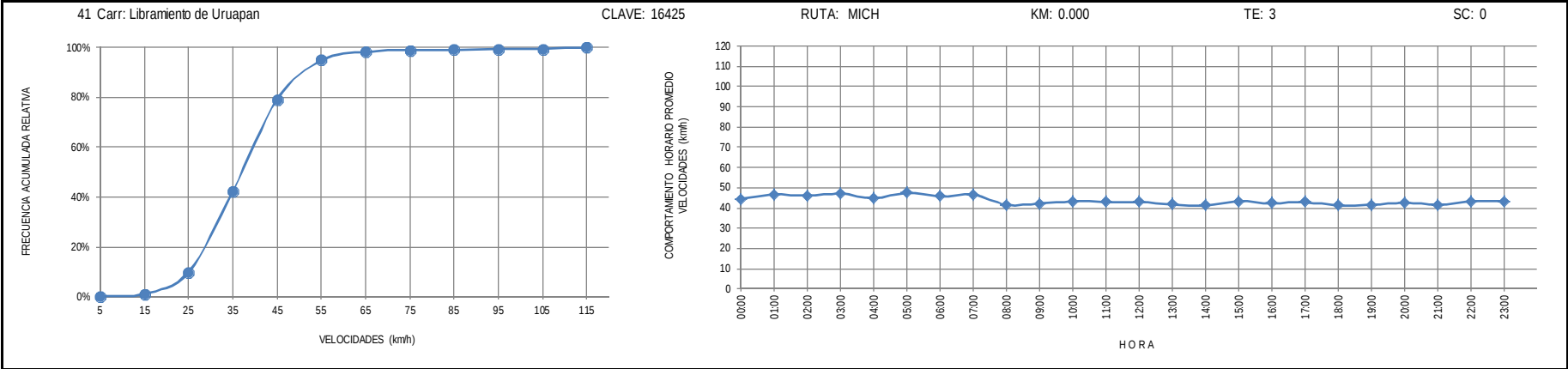
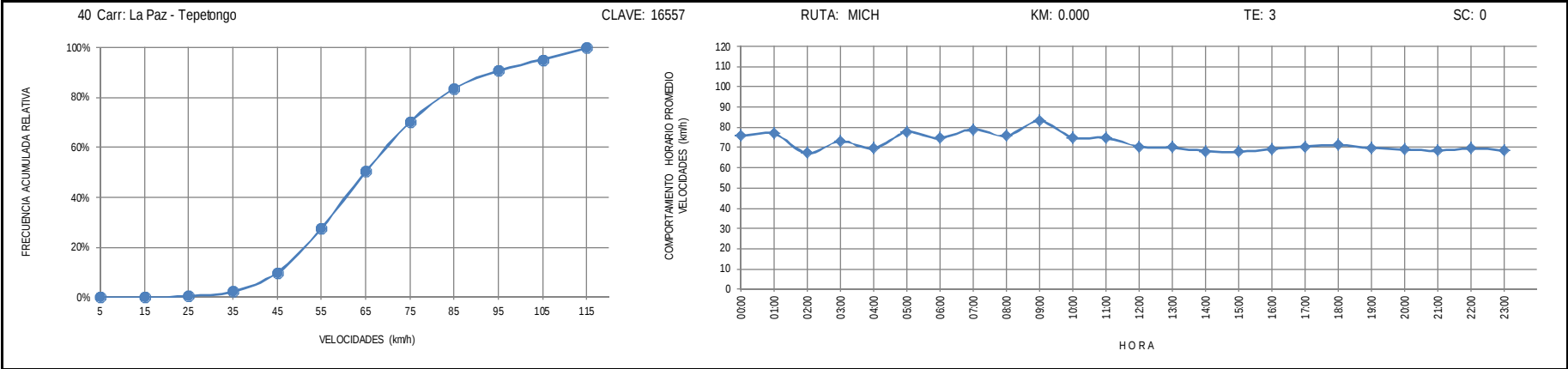
TE: 3

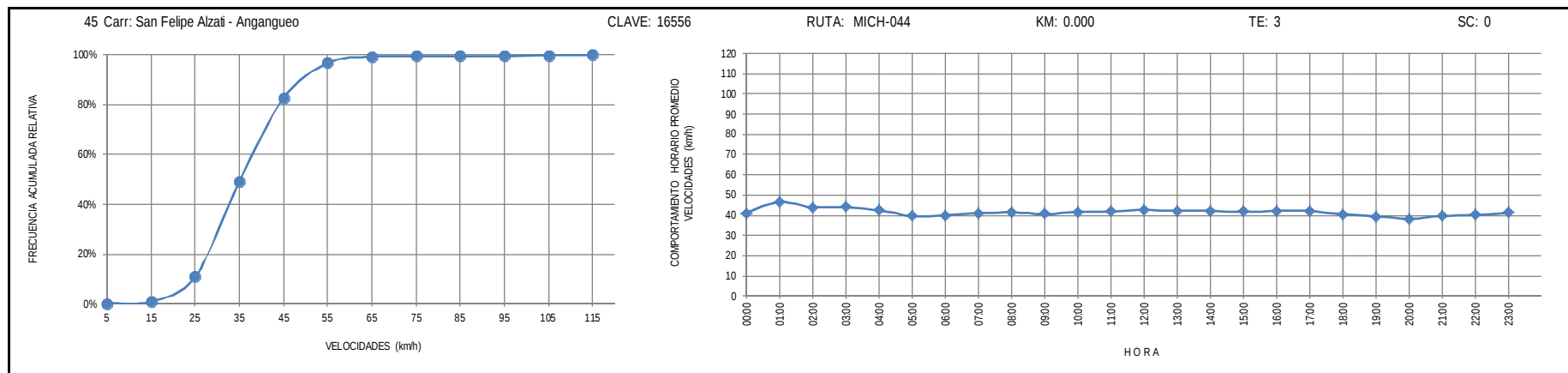
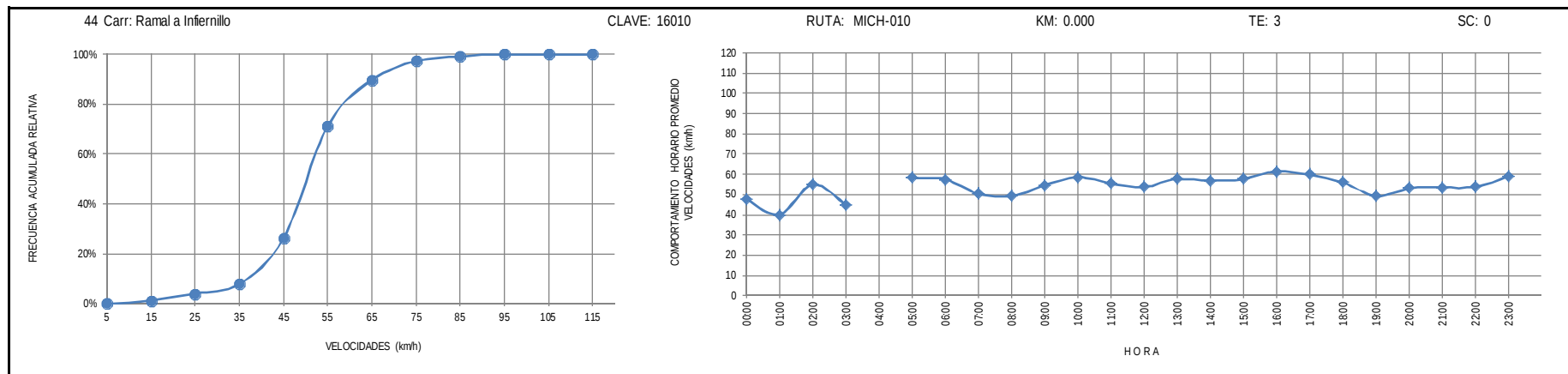
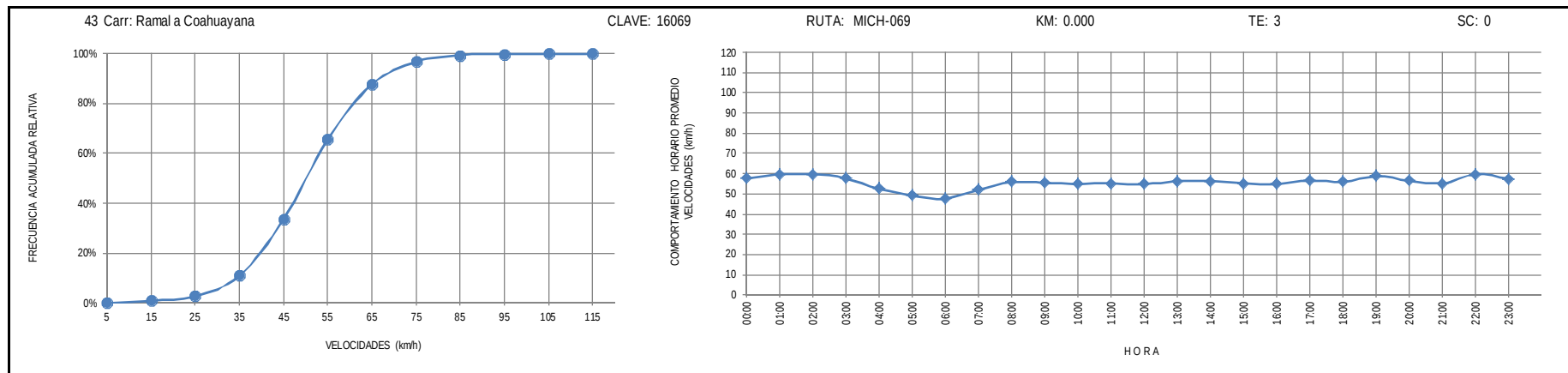
SC: 0

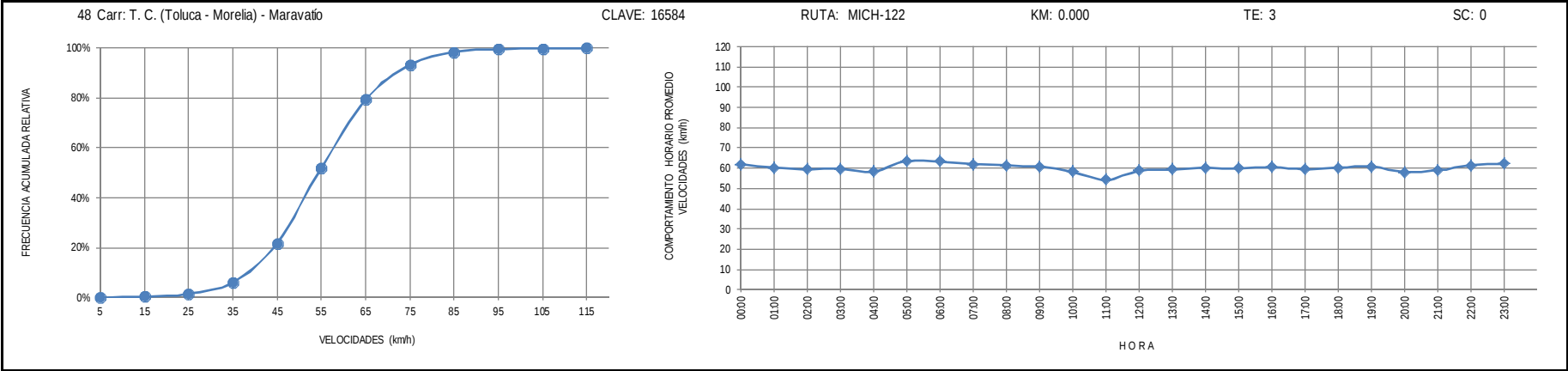
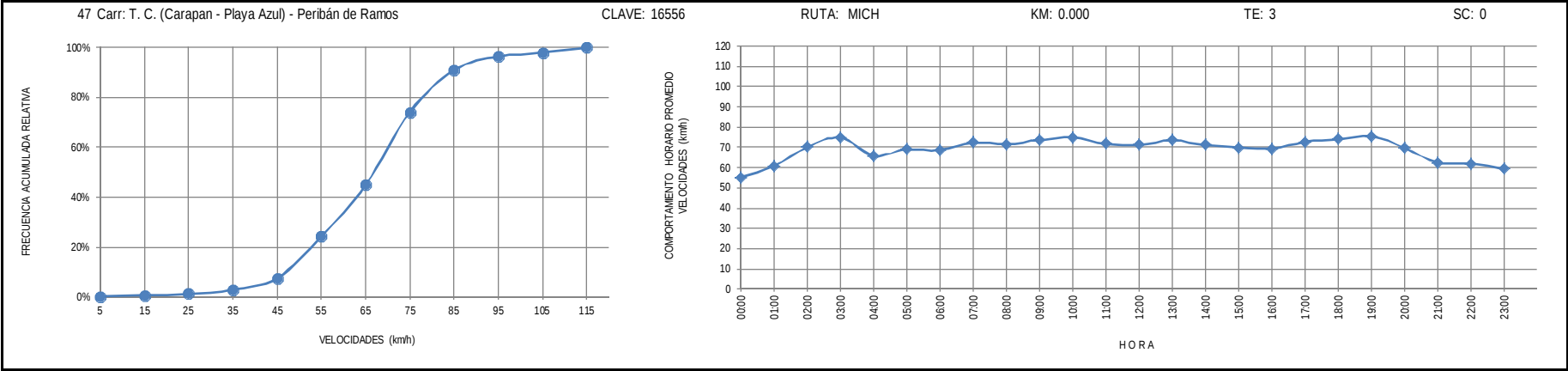
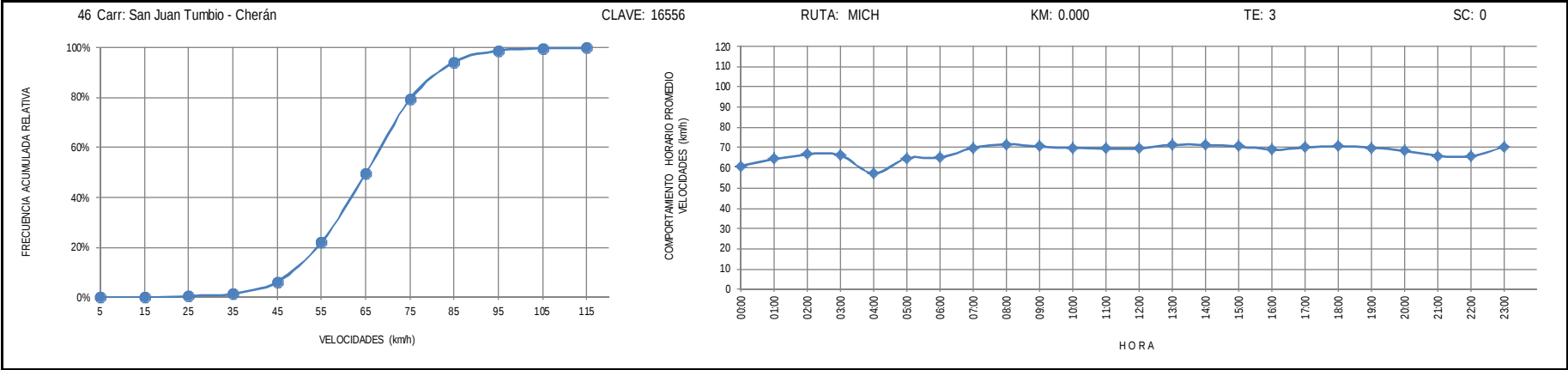












49 Carr: T. C. (V. Victoria - El Oro de Hidalgo) - Angangueo

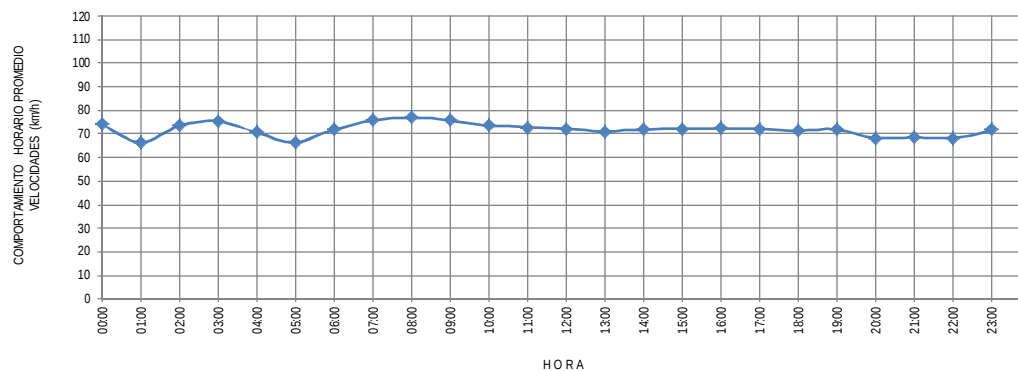
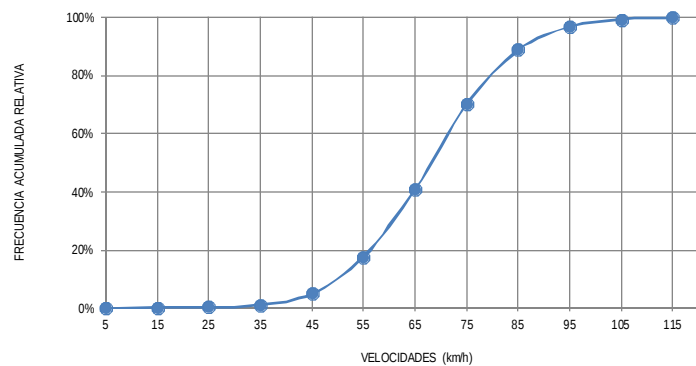
CLAVE: 00195

ruta: EM-003-MICH

KM: 0.000

TE: 3

SC: 1



50 Carr: Tepalcatepec - Aquila

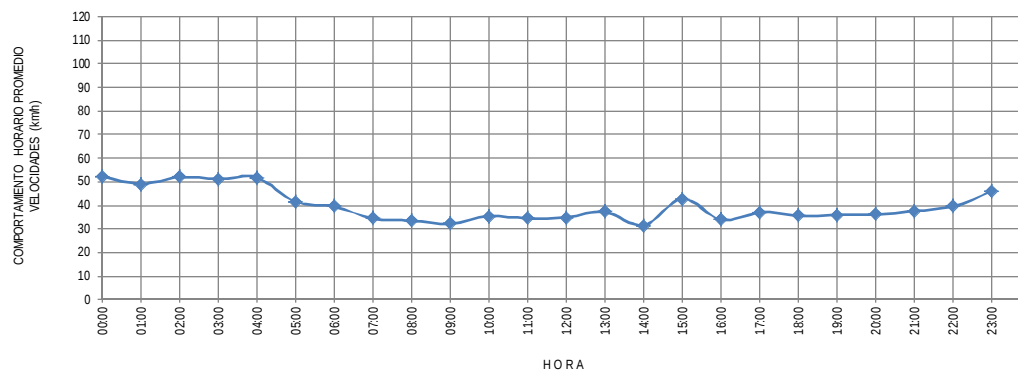
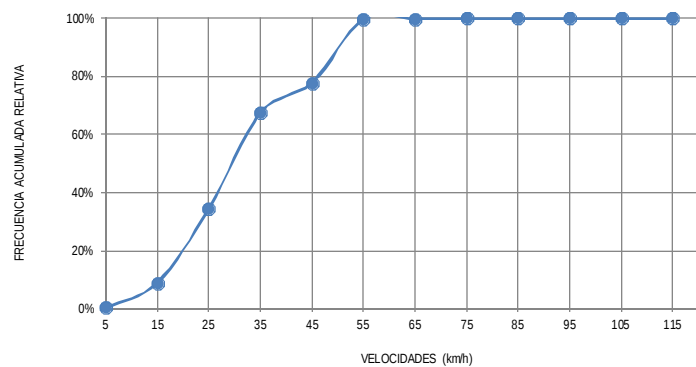
CLAVE: 16421

ruta: MICH

KM: 0.000

TE: 3

SC: 0



51 Carr: Tiripetío - Eréndira

CLAVE: 16422

ruta: MICH

KM: 0.000

TE: 3

SC: 0

