

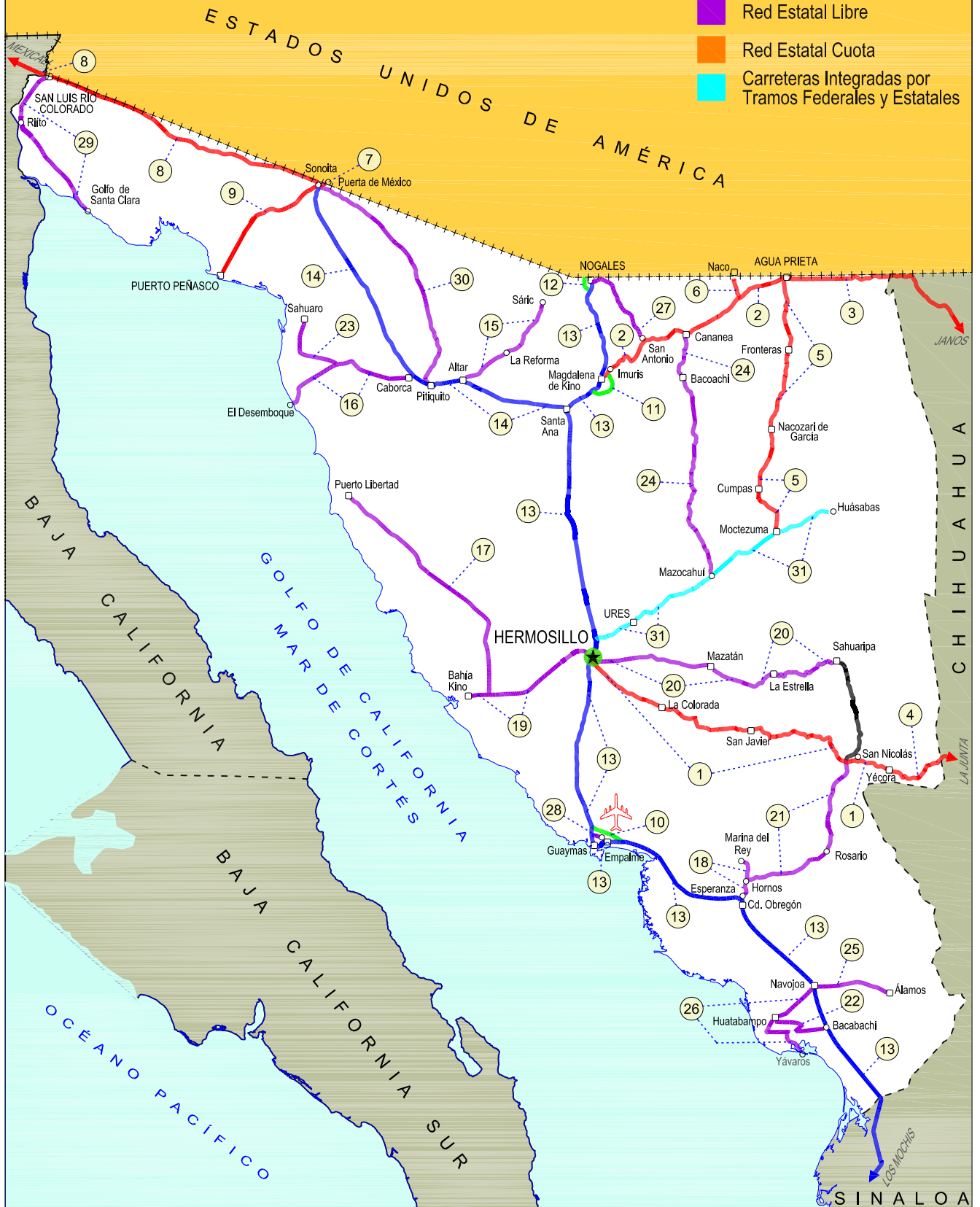
SONORA

NO. INDICE	CARRETERA	ruta
---RED FEDERAL LIBRE---		
1	Hermosillo - Yécora	MEX-016
2	Imuris - Agua Prieta	MEX-002
3	Janos - Agua Prieta	MEX-002
4	La Junta - Yécora	MEX-016
5	Moctezuma - Agua Prieta	MEX-017
6	Ramal a Naco	MEX-002
7	Ramal a Puerta de México	MEX-002
8	Sonoita - Mexicali	MEX-002
9	Sonoita - Puerto Peñasco	MEX-002
---RED FEDERAL DE CUOTA---		
10	Libramiento de Empalme (Cuota)	MEX-015D
11	Libramiento de Magdalena de Kino (Cuota)	MEX-015D
12	Libramiento de Nogales (Cuota)	MEX-15D
---RED FEDERAL INTEGRADA POR TRAMOS LIBRES Y DE CUOTA---		
13	Est. Don - Nogales (Cuota)	MEX-015D-015
14	Santa Ana - Sonoita	MEX-002D-MEX
---RED ESTATAL LIBRE---		
15	Altar - Sáric	SON-064
16	Caborca - El Desemboque	SON-037
17	Calle 36 Norte - Puerto de La Libertad	SON-029
18	Esperanza - Presa Álvaro Obregón	SON-117
19	Hermosillo - Bahía Kino	SON-100
20	Hermosillo - Sahuaripa	SON-020
21	Hornos - San Nicolás	SON-012
22	Huatabampo - Bacabachi	SON-176
23	La Alameda - El Sahuaro	SON-037
24	Mazocahui - Cananea	SON-118
25	Navojoa - Álamos	SON-013
26	Navojoa - Yavaros	SON-056
27	Nogales - San Antonio	SON
28	Ramal a Aeropuerto de Guaymas	SON
29	San Luis Río Colorado - Golfo de Santa Clara	SON-040
30	Sonoita - Pitiquito	SON
---CARRETERAS INTEGRADAS POR TRAMOS FEDERALES Y ESTATALES---		
31	T. C. (Hermosillo - Nogales) - Huásabas	MEX-014-SON

26 SONORA

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
- Red Estatal Libre
- Red Estatal Cuota
- Carreteras Integradas por Tramos Federales y Estatales



SONORA

1 CARR: Hermosillo - Yécora

CLAVE: 26251

ruta: MEX-016

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. Cd. Obregón - Hermosillo	0.00																	
T. Izq. Sahuaripa	4.00	3	1	5153	69.9	76.0	91.5	9.3	63.1	71.0	83.7	9.4	62.3	71.0	84.8	10.3	29.004933	-110.913061
T. Izq. Sahuaripa	4.00	3	2	5344	64.5	71.0	83.2	7.8	58.7	63.7	74.0	8.0	56.7	62.7	74.0	8.1	29.004937	-110.913071
La Colorada	47.00	3	0	806	59.1	71.3	92.1	12.7	57.6	65.1	84.5	8.9	54.9	60.2	84.5	7.6	28.807092	-110.576830
Tecoripa	138.00	3	0	556	77.9	90.9	110.3	13.8	67.5	81.2	101.0	13.1	69.2	81.1	102.5	12.7	28.621325	-109.945315
Yécora	250.60																	

2 CARR: Imuris - Agua Prieta

CLAVE: 26079

ruta: MEX-002

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
Imuris	0.00	3	0	3239	71.9	81.5	98.2	11.2	69.7	79.3	97.0	11.5	70.0	78.9	101.9	11.4	30.784693	-110.849003
T. Der. Cananea	80.93	1	0	5551	72.7	83.3	102.6	11.8	69.2	80.0	94.9	11.3	69.1	79.4	94.9	11.3	30.997242	-110.289716
T. Der. Cananea	80.93	3	1	3459	87.3	99.3	118.2	13.0	82.8	95.5	110.6	13.9	82.2	93.1	111.7	12.5	30.994730	-110.256379
T. Der. Cananea	80.93	3	2	3563	82.6	96.1	115.4	14.3	79.6	93.3	109.1	14.6	74.6	87.5	108.4	13.5	30.994730	-110.256379
Agua Prieta	164.67	1	0	4328	80.7	91.8	110.0	12.3	76.1	88.1	101.4	12.6	72.3	83.3	102.2	12.5	31.311538	-109.589777

3 CARR: Janos - Agua Prieta

CLAVE: 00220

ruta: MEX-002

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. Cd. Juárez - Janos	0.00	3	0	3565	72.4	85.1	103.6	13.6	71.5	83.3	96.4	12.5	65.3	77.0	98.4	12.6	30.889975	-108.216227
Los Mimbres	56.00	3	0	1762	102.5	118.5	138.1	16.7	88.6	102.0	119.5	16.9	84.0	98.6	120.4	15.7	31.272017	-108.615862
Lim. Edos. Term. Chih. Ppia. Son.	78.00																	
Agua Prieta	160.00	1	0	2686	82.1	94.8	117.4	14.2	77.3	90.6	101.7	14.3	70.2	82.2	100.8	13.6	31.322422	-109.508036

4 CARR: La Junta - Yécora

CLAVE: 00065

ruta: MEX-016

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. Chihuahua - Madera	0.00	3	0	4290	63.2	74.3	93.3	12.3	60.1	68.3	82.7	8.8	62.6	75.0	96.4	13.7	28.474395	-107.317521
T. Izq. San Juanito	16.00	1	0	2398	54.8	64.6	83.8	10.6	51.7	53.8	64.8	6.4	51.0	64.8	84.7	14.0	28.388735	-107.439660
T. Izq. San Juanito	16.00	3	0	1158	66.8	74.3	84.8	9.8	61.6	69.0	79.1	8.1	63.3	72.3	84.5	10.6	28.390898	-107.441843
Tomochi	70.00	3	0	1200	53.0	67.2	84.5	14.2	54.2	53.7	59.1	2.2	52.0	64.0	83.8	13.3	28.352620	-107.852570
Lim. Edos. Term. Chih. Ppia. Son.	190.00																	

SONORA

8 C A R R : Sonoita - Mexicali

CLAVE: 00081

RUTA: MEX-002

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. Mexicali - Algodones	206.78	1	1	9808	79.5	90.2	106.9	12.0	78.2	89.5	102.6	12.4	71.0	81.9	102.6	12.3	32.497314	-114.827777
X. C. Mexicali - Algodones	206.78	1	2	10045	79.4	90.1	106.6	12.0	79.3	91.0	104.5	12.9	71.4	82.7	105.6	12.7	32.497313	-114.827778
X. C. Mexicali - Algodones	206.78	3	1	8546	83.8	100.6	124.0	16.4	84.8	96.3	112.8	14.0	75.1	91.4	117.1	15.8	32.553502	-115.048214
X. C. Mexicali - Algodones	206.78	3	2	8691	88.8	98.2	113.0	11.1	87.3	93.4	104.4	9.8	80.2	90.7	104.8	12.6	32.553502	-115.048214
T. Izq. Ejido Hermosillo	214.80	3	1	7035	100.8	114.8	134.9	14.9	96.9	110.6	127.9	14.9	90.2	104.0	129.4	15.5	32.527454	-114.928388
T. Izq. Ejido Hermosillo	214.80	3	2	7116	104.8	121.9	140.9	16.1	99.8	117.5	138.8	17.0	92.7	108.7	135.5	16.0	32.527483	-114.928464
Ejido Monterrey	228.63	3	1	10284	104.2	121.1	140.3	16.0	100.5	115.8	138.0	16.0	97.3	113.7	137.9	15.9	32.551795	-115.080997
Ejido Monterrey	228.63	3	2	10015	102.0	121.3	140.3	18.2	99.9	118.1	138.7	17.8	94.4	114.7	138.8	19.0	32.551795	-115.080998
X. C. Mexicali - Algodones	256.47	1	1	13415	89.5	99.4	114.1	11.4	87.4	97.5	111.3	11.6	82.7	94.4	112.3	13.2	32.565185	-115.325556
X. C. Mexicali - Algodones	256.47	1	2	12916	81.6	91.2	104.5	11.2	81.0	90.9	103.2	11.3	75.9	86.9	103.1	12.1	32.565169	-115.325574
T. C. Mexicali - San Felipe	265.12																	

9 C A R R : Sonoita - Puerto Peñasco

CLAVE: 26232

RUTA: MEX-002

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
Sonoita	0.00	3	0	1992	53.4	64.9	83.8	12.9	54.2	55.1	78.1	5.6	52.4	59.0	79.7	9.5	31.863480	-112.870586
Puerto Peñasco	100.40																	

10 C A R R : Libramiento de Empalme (Cuota)

CLAVE: 26256

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. Cd. Obregón - Hermosillo	0.00	3	1	3242	90.6	109.1	123.5	19.8	91.6	102.9	116.0	14.5	78.9	95.8	118.8	17.8	27.956344	-110.753266
T. C. Cd. Obregón - Hermosillo	0.00	3	2	3397	77.2	105.6	123.5	30.6	79.8	93.8	105.2	18.3	67.8	88.3	102.7	22.6	27.956344	-110.753266
T. C. Cd. Obregón - Hermosillo	21.50	1	1	3120	93.8	108.0	124.2	14.7	78.8	91.4	103.1	13.5	71.5	84.7	101.7	14.0	28.038360	-110.934600
T. C. Cd. Obregón - Hermosillo	21.50	1	2	2943	87.9	95.9	109.5	10.5	82.1	90.9	102.8	10.4	72.7	84.3	103.5	12.1	28.038359	-110.934596

11 C A R R : Libramiento de Magdalena de Kino (Cuota)

CLAVE:

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. Hermosillo - Nogales	183.43	3	1	3156	98.5	111.9	128.4	14.7	88.7	102.4	114.4	15.6	85.3	94.7	112.8	12.1	30.619537	-110.987842
T. C. Hermosillo - Nogales	183.43	3	2	3493	104.5	119.7	137.7	15.3	96.5	113.7	128.6	18.5	88.8	102.8	125.7	15.2	30.619533	-110.987839
T. C. Hermosillo - Nogales	190.00	1	1	3270	99.4	112.1	128.5	14.2	88.1	102.1	114.2	16.0	86.3	95.5	113.6	11.9	30.665665	-110.917424

SONORA

11 C A R R : Libramiento de Magdalena de Kino (Cuota)

CLAVE:

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. Hermosillo - Nogales	190.00	1	2	3162	106.4	121.2	139.4	15.1	96.9	114.0	132.3	18.7	89.7	103.5	127.2	15.0	30.665662	-110.917430

12 C A R R : Libramiento de Nogales (Cuota)

CLAVE: 26100

RUTA : MEX-15D

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. Hermosillo - Nogales	0.00	3	1	2991	87.4	99.0	114.7	12.9	71.2	88.3	104.0	16.1	71.3	82.1	100.9	12.5	31.230915	-110.966530
T. C. Hermosillo - Nogales	0.00	3	2	2912	93.8	107.1	124.3	13.9	67.5	88.3	102.8	16.5	84.6	97.5	112.6	13.8	31.230920	-110.966530
Caseta de Cobro Nogales	4.50	2	1	1284													31.247637	-110.972542
Caseta de Cobro Nogales	4.50	2	2	1284													31.247637	-110.972542
Frontera E.U.A.	12.50	1	1	1578	79.7	101.8	121.2	20.9	85.6	101.3	120.2	13.8	78.3	91.2	110.6	14.4	31.303139	-110.980266
Frontera E.U.A.	12.50	1	2	1656	85.7	108.0	126.2	22.2	94.4	106.0	125.0	12.8	89.8	104.1	120.0	17.0	31.303139	-110.980270

13 C A R R : Est. Don - Nogales (Cuota)

CLAVE: 26444

RUTA : MEX-015D-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. Topolobampo - Choix	0.00	3	1	6996	55.7	54.1	67.7	2.1	55.3	53.9	62.1	1.1	55.1	53.8	61.0	1.1	25.833410	-108.973623
T. C. Topolobampo - Choix	0.00	3	2	7121	55.7	54.2	67.9	2.1	55.2	53.8	60.9	0.9	55.1	53.8	61.1	1.1	25.833410	-108.973623
T. Izq. Ahome	17.13	3	1	7205	72.0	92.0	112.0	19.4	75.2	93.0	107.7	17.9	72.9	87.2	103.5	15.9	25.943980	-109.052975
T. Izq. Ahome	17.13	3	2	7171	78.4	93.2	112.2	15.2	78.1	94.7	109.9	17.3	76.7	89.2	103.7	13.5	25.943980	-109.052975
T. Izq. Coahuilbampo	19.00	1	1	6783	84.2	102.9	123.5	17.9	83.6	98.3	113.7	14.9	79.4	90.8	109.9	12.9	25.959165	-109.053626
T. Izq. Coahuilbampo	19.00	1	2	6675	83.4	103.1	122.1	20.0	84.4	100.4	113.2	16.5	79.3	92.3	109.3	14.4	25.959163	-109.053623
T. Izq. Coahuilbampo	19.00	3	1	5625	78.1	91.9	108.6	14.6	76.7	91.0	103.2	15.3	74.2	83.9	96.8	11.6	25.961930	-109.052681
T. Izq. Coahuilbampo	19.00	3	2	5670	75.6	93.8	111.9	17.8	78.0	94.8	109.9	17.6	74.4	86.0	101.8	13.0	25.961928	-109.052681
Poblado Chico	50.00	3	1	4356	45.5	65.8	90.2	22.2	58.3	65.9	134.2	13.6	56.8	66.8	114.6	12.6	26.228086	-109.054612
Poblado Chico	50.00	3	2	4405	109.3	131.7	143.3	19.0	105.7	127.0	142.7	19.2	99.8	112.9	140.1	14.5	26.228083	-109.054606
T. Der. El Fuerte	54.80	1	1	4459	89.4	102.9	123.7	14.4	92.5	103.5	140.3	14.0	84.8	93.2	132.1	11.2	26.261543	-109.044817
T. Der. El Fuerte	54.80	1	2	4475	89.5	104.5	122.5	16.2	85.9	99.8	113.0	15.6	81.5	91.7	106.0	12.2	26.261543	-109.044816
T. Der. El Fuerte	54.80	3	1	5348	80.0	102.0	132.8	20.3	84.1	105.3	133.6	20.2	79.0	97.2	129.1	18.4	26.276966	-109.040398
T. Der. El Fuerte	54.80	3	2	5254	86.7	98.6	113.5	12.5	84.6	92.6	102.9	9.6	80.9	88.0	100.4	9.3	26.276965	-109.040397
Lim. Edos. Term. Sin. Ppia. Son.	69.80																	
T. Izq. Huatabampo	128.50	1	1	2981	77.4	94.7	114.7	18.0	85.0	100.8	120.1	15.6	75.9	93.2	116.0	17.3	26.836796	-109.366158
T. Izq. Huatabampo	128.50	1	2	3143	83.8	102.6	124.0	19.0	81.8	99.6	120.2	19.2	73.1	84.9	111.2	14.2	26.836794	-109.366158
Caseta de Cobro Estacion Don (La Jaula)	129.90	2	1	2325													26.849800	-109.373287

SONORA

13 C A R R : Est. Don - Nogales (Cuota)

CLAVE: 26444

RUTA: MEX-015D-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
Caseta de Cobro Estacion Don (La Jaula)	129.90	2	2	2325													26.849800	-109.373287
Navojoa	155.00	1	1	6146	89.5	105.0	131.7	16.4	91.1	104.6	127.6	15.0	82.3	96.2	122.0	15.2	27.035458	-109.435624
Navojoa	155.00	1	2	6205	89.5	105.0	132.1	16.5	92.5	108.9	130.6	16.4	82.4	98.7	124.0	16.2	27.035464	-109.435637
Navojoa	155.00	3	1	7943	72.9	84.5	100.8	13.1	72.2	82.3	94.4	11.3	64.0	75.4	95.0	12.4	27.105021	-109.447889
Navojoa	155.00	3	2	8093	78.8	92.9	110.0	15.0	78.8	91.0	105.0	13.4	69.5	83.1	102.8	14.0	27.105019	-109.447890
T. Izq. Villa Juárez	167.25	3	1	5181	72.2	82.3	121.3	13.2	71.2	79.4	122.6	11.9	66.6	74.4	90.6	10.8	27.155647	-109.508173
T. Izq. Villa Juárez	167.25	3	2	5211	105.3	124.3	142.7	17.3	103.9	124.3	142.7	19.0	98.1	114.1	141.6	16.7	27.155647	-109.508173
Caseta de Cobro Fundición	195.80	2	1	2874													27.320379	-109.719785
Caseta de Cobro Fundición	195.80	2	2	2874													27.320379	-109.719785
T. Der. Fundición	196.30	1	1	4726	81.4	96.3	114.2	16.2	82.1	94.5	107.9	14.7	71.7	83.2	101.8	13.3	27.329475	-109.731142
T. Der. Fundición	196.30	1	2	4488	92.9	103.1	119.0	11.8	90.2	101.0	112.2	12.1	77.0	88.9	107.7	12.3	27.324556	-109.726717
Cd. Obregón	222.70																	
Cd. Obregón	222.70	1	1	13617	59.7	71.1	89.9	12.4	56.1	68.9	88.2	13.1	51.4	60.2	83.0	11.7	27.462457	-109.903419
Cd. Obregón	222.70	1	2	13671	66.7	74.0	89.6	9.6	64.4	71.9	83.8	8.8	61.9	69.5	84.5	10.0	27.462457	-109.903419
Esperanza	230.66	1	1	10269	68.0	76.6	94.8	10.7	67.3	82.5	136.9	17.0	68.5	83.2	127.7	16.8	27.563845	-109.927154
Esperanza	230.66	1	2	10471	67.6	76.3	91.4	10.6	63.3	73.0	85.3	10.9	59.8	70.2	84.3	11.4	27.563845	-109.927154
Esperanza	230.66	3	1	4478	83.3	98.5	119.0	16.0	89.0	104.6	141.5	17.5	79.4	95.9	138.8	17.4	27.596509	-109.931471
Esperanza	230.66	3	2	4476	80.2	98.2	114.5	18.6	82.5	94.2	106.8	13.4	69.2	83.0	104.3	14.6	27.596513	-109.931470
Caseta de Cobro Esperanza	233.40	2	1	2343													27.603715	-109.939118
Caseta de Cobro Esperanza	233.40	2	2	2343													27.603715	-109.939118
T. Der. Estación Corral	236.50	1	1	3570	101.0	115.2	133.9	15.7	97.2	108.7	121.8	13.3	87.6	100.4	123.8	13.3	27.616087	-109.951708
T. Der. Estación Corral	236.50	1	2	3697	94.7	106.1	121.1	12.6	90.4	99.6	111.6	11.2	81.2	90.8	106.0	11.1	27.616086	-109.951703
T. Der. Estación Corral	236.50	3	1	3651	87.3	103.6	121.9	16.9	87.5	100.3	117.0	14.6	78.2	89.5	109.0	13.1	27.618371	-109.963640
T. Der. Estación Corral	236.50	3	2	3659	77.6	111.5	138.1	26.9	81.7	113.1	140.2	27.3	71.7	93.7	132.5	20.3	27.618369	-109.963637
T. Izq. BÁCUM	248.16	1	1	3155	82.9	91.1	102.5	9.8	73.8	80.8	87.7	8.6	72.5	77.8	85.1	7.7	27.599015	-110.076164
T. Izq. BÁCUM	248.16	1	2	3176	105.7	125.3	142.0	19.8	94.3	113.9	139.1	21.9	85.4	101.8	128.9	17.4	27.599015	-110.076164
T. Izq. BÁCUM	248.16	3	1	4738	79.7	103.2	124.5	20.7	82.1	101.2	114.2	19.8	76.6	92.7	114.8	17.1	27.597563	-110.084062
T. Izq. BÁCUM	248.16	3	2	5074	92.2	104.8	122.3	13.6	89.7	100.8	113.6	12.5	82.6	92.9	112.5	11.9	27.597563	-110.084063
VÍCAM	269.98	3	1	5245	72.5	83.4	96.4	12.8	67.7	74.6	89.1	10.0	58.4	69.4	90.1	11.4	27.651519	-110.311800
VÍCAM	269.98	3	2	5444	67.0	79.1	96.0	13.0	54.9	70.8	88.3	15.1	55.3	68.5	88.5	13.4	27.651520	-110.311799
T. Izq. Pótam	280.10	1	1	4480	74.6	90.9	113.7	16.0	61.4	75.4	104.7	14.5	56.8	73.9	106.6	16.3	27.697495	-110.366180
T. Izq. Pótam	280.10	1	2	4738	80.6	93.8	113.0	14.4	72.2	84.7	104.0	13.4	67.1	82.3	104.2	15.4	27.697498	-110.366184
T. Izq. Pótam	280.10	3	1	4342	94.8	104.7	120.8	11.4	87.7	94.9	113.4	11.2	73.8	91.1	114.1	15.8	27.704577	-110.371027
T. Izq. Pótam	280.10	3	2	4826	94.1	105.3	122.3	12.4	76.8	89.6	104.4	12.5	76.2	87.0	106.3	12.0	27.704582	-110.371028
T. Der. Libramiento de Guaymas	330.50	1	1	5909	70.1	83.5	103.5	14.2	67.7	81.1	101.8	13.8	59.9	69.5	93.5	10.1	27.951438	-110.740802

SONORA

13 C A R R : Est. Don - Nogales (Cuota)

CLAVE: 26444

RUTA: MEX-015D-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. Der. Libramiento de Guaymas	330.50	1	2	5980	61.9	74.2	93.1	13.4	60.2	72.7	92.0	13.6	54.1	60.0	81.9	8.5	27.951437	-110.740808
T. Der. Libramiento de Guaymas	330.50	3	0	5682	68.6	77.6	93.7	10.9	66.4	73.5	91.4	9.4	62.2	72.8	92.3	12.1	27.952314	-110.769619
Empalme	337.72	1	0	5841	77.3	90.5	112.0	13.6	76.9	91.4	108.8	14.1	71.5	86.0	112.2	15.3	27.953184	-110.797911
Empalme	337.72	3	1	8147	74.3	83.6	98.2	10.9	71.5	79.9	93.2	9.8	67.4	80.0	97.7	13.0	27.955732	-110.831283
Empalme	337.72	3	2	8395	80.6	92.4	110.5	12.9	78.2	87.8	103.7	10.9	74.5	87.8	108.6	13.6	27.955733	-110.831281
T. Izq. San Carlos	355.70	1	1	6769	91.7	104.4	124.9	13.8	92.3	109.7	124.9	16.5	89.7	104.2	128.4	15.1	27.981685	-110.939484
T. Izq. San Carlos	355.70	1	2	6255	67.7	81.8	101.4	14.4	60.8	80.1	96.3	18.3	60.3	75.3	93.4	15.3	27.981685	-110.939485
T. Izq. San Carlos	355.70	3	1	3276	99.9	114.1	133.2	15.2	100.6	117.2	130.7	17.7	93.6	109.3	132.4	15.5	27.993573	-110.939756
T. Izq. San Carlos	355.70	3	2	3233	107.8	126.6	142.2	18.5	109.8	131.2	143.2	19.5	98.9	124.8	142.6	22.0	27.993572	-110.939756
T. Izq. Bahía Kino	394.00	1	1	5335	101.7	115.2	133.6	15.0	96.8	109.0	123.2	13.6	84.5	100.8	124.2	16.4	28.316175	-111.041750
T. Izq. Bahía Kino	394.00	1	2	5330	101.2	114.5	132.8	14.8	97.0	109.4	123.8	13.7	84.4	101.4	124.4	17.0	28.316175	-111.041750
T. Izq. Bahía Kino	394.00	3	1	4848	104.7	115.2	132.1	12.1	98.5	109.1	122.6	11.8	85.7	96.8	121.2	12.8	28.322047	-111.041811
T. Izq. Bahía Kino	394.00	3	2	4773	99.0	124.9	141.8	26.5	95.4	117.3	137.5	22.8	87.3	105.4	134.8	19.6	28.322041	-111.041814
Hermosillo	473.70	1	1	6321	90.4	102.8	117.7	13.6	89.1	99.8	113.1	12.4	76.2	86.3	107.1	11.8	29.003138	-110.967180
Hermosillo	473.70	1	2	6373	84.3	94.2	109.7	11.2	83.1	92.8	103.5	11.7	73.6	81.9	94.9	9.7	29.003139	-110.967179
Hermosillo	473.70	3	1	14970	95.6	111.2	134.5	15.4	101.0	118.0	140.8	16.7	93.6	112.0	139.0	17.4	29.121184	-110.912129
Hermosillo	473.70	3	2	15191	86.1	96.7	117.0	12.3	86.1	97.5	121.9	12.9	79.8	92.5	116.7	14.4	29.121182	-110.912136
T. Der. Ures	482.30	1	1	11750	104.4	114.5	134.0	11.4	106.5	114.8	133.9	10.6	92.8	110.0	128.3	18.6	29.156012	-110.909473
T. Der. Ures	482.30	1	2	10791	81.7	90.9	105.7	10.8	80.6	89.9	103.2	11.0	75.5	83.6	98.6	9.6	29.155515	-110.909706
T. Der. Ures	482.30	3	1	6915	83.1	95.6	116.1	14.0	84.7	98.4	114.8	13.9	77.6	91.9	111.9	14.4	29.169239	-110.912516
T. Der. Ures	482.30	3	2	6600	88.3	102.5	122.7	14.9	92.6	103.7	121.1	12.7	85.2	97.4	116.4	12.9	29.169239	-110.912515
Caseta de Cobro Hermosillo	488.90	2	1	4751													29.220739	-110.930200
Caseta de Cobro Hermosillo	488.90	2	2	4751													29.220739	-110.930200
T. Der. Pesqueira	506.09	3	1	4889	94.1	104.6	120.6	12.0	90.3	101.7	114.6	13.0	76.4	91.2	112.3	15.3	29.374888	-110.973376
T. Der. Pesqueira	506.09	3	2	5575	80.1	97.4	114.2	16.6	70.0	84.9	101.9	14.6	63.1	77.8	94.6	14.1	29.374895	-110.973381
T. Der. Carbó	542.60	1	1	5097	91.8	102.8	115.8	12.5	84.0	94.9	104.7	12.0	77.1	87.5	102.9	12.0	29.684542	-111.042426
T. Der. Carbó	542.60	1	2	4817	74.6	98.8	119.3	20.9	69.5	90.7	113.3	17.6	66.4	82.7	107.4	14.7	29.684541	-111.042425
T. Der. Carbó	542.60	3	1	4951	101.9	114.7	132.1	14.2	96.6	111.4	124.4	15.5	84.3	100.4	122.8	16.1	29.691730	-111.044007
T. Der. Carbó	542.60	3	2	5351	96.5	109.4	129.9	13.7	94.0	107.9	142.3	16.3	82.6	95.2	138.3	15.2	29.691732	-111.044009
T. Izq. Benjamín Hill	599.10	1	1	5158	95.3	109.9	128.6	14.5	91.5	104.9	122.6	14.4	82.9	98.5	122.1	15.7	30.169828	-111.097142
T. Izq. Benjamín Hill	599.10	1	2	5446	96.3	111.0	129.6	15.2	91.4	107.4	123.7	16.5	82.0	100.0	122.7	17.8	30.169824	-111.097141
T. Izq. Benjamín Hill	599.10	3	1	5013	93.6	107.1	123.3	14.5	90.3	103.3	115.8	14.2	73.6	93.1	115.5	19.3	30.176730	-111.097231
T. Izq. Benjamín Hill	599.10	3	2	5945	83.4	97.1	114.8	14.3	72.6	88.7	105.8	15.8	67.9	82.2	102.3	14.9	30.176719	-111.097230
Santa Ana	640.97	1	1	5607	90.5	104.8	121.5	15.6	87.3	99.2	114.0	12.9	79.5	92.0	114.0	13.3	30.528088	-111.113888
Santa Ana	640.97	1	2	5710	99.1	116.3	134.3	18.1	97.1	110.0	124.5	13.8	89.8	103.2	124.3	14.0	30.527518	-111.114694

SONORA

13 C A R R : Est. Don - Nogales (Cuota)

CLAVE: 26444

RUTA: MEX-015D-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
Santa Ana	640.97	3	1	5399	70.7	78.1	99.3	10.3	67.2	74.1	102.2	10.5	57.5	69.8	89.6	12.7	30.547750	-111.112000
Santa Ana	640.97	3	2	6157	75.7	94.4	110.6	18.7	78.2	93.0	104.9	16.3	74.3	89.4	105.0	14.7	30.547750	-111.112000
Magdalena de Kino	656.40	1	1	5441	88.8	103.6	122.6	15.8	90.7	102.7	116.3	13.4	83.8	95.2	114.2	13.6	30.621572	-110.982580
Magdalena de Kino	656.40	1	2	5929	84.1	93.9	111.2	11.5	83.8	92.7	105.0	10.1	77.6	85.3	102.4	10.4	30.621571	-110.982580
Magdalena de Kino	656.40	3	1	3366	78.7	94.2	115.3	15.5	79.6	94.1	113.5	15.5	72.5	85.8	111.4	14.4	30.647635	-110.946195
Magdalena de Kino	656.40	3	2	3448	77.6	90.0	109.9	13.1	77.3	88.8	105.7	13.1	74.5	84.6	108.5	12.0	30.647633	-110.946196
Imuris	682.70	1	1	6415	49.3	56.2	71.5	9.5	51.8	54.3	63.2	6.6	46.6	52.8	62.6	9.0	30.766686	-110.855122
Imuris	682.70	1	2	6415	49.1	56.0	71.4	9.5	51.9	54.3	63.2	6.4	46.7	52.8	62.8	9.0	30.766688	-110.855122
T. Der. Agua Prieta	683.20	3	1	5182	81.6	102.9	126.9	20.9	82.6	105.6	125.6	22.7	75.4	95.7	122.3	19.7	30.792619	-110.850508
T. Der. Agua Prieta	683.20	3	2	5230	90.7	103.9	122.7	14.8	92.2	104.0	114.3	12.7	81.8	94.5	114.5	15.0	30.792620	-110.850501
T. Izq. Sáric	729.60	1	1	8045	87.5	98.6	113.5	12.1	84.2	96.9	111.1	13.7	78.8	92.5	111.1	13.9	31.177014	-110.968512
T. Izq. Sáric	729.60	1	2	8289	86.7	98.1	113.7	12.4	86.1	97.3	112.4	12.6	81.2	93.6	112.4	14.1	31.177054	-110.968628
T. Izq. Sáric	729.60	3	1	8424	92.5	104.6	123.4	13.6	88.6	103.6	119.8	15.9	82.9	100.1	121.7	17.1	31.189394	-110.972360
T. Izq. Sáric	729.60	3	2	8175	96.1	108.3	126.8	13.0	93.6	106.5	122.5	14.0	90.7	103.4	124.1	14.5	31.189386	-110.972362
T. Izq. Libramiento de Nogales (Cuota)	734.70	3	1	9728	74.2	94.0	111.0	19.4	71.8	92.2	109.7	18.3	67.2	86.1	105.7	15.6	31.239452	-110.962899
T. Izq. Libramiento de Nogales (Cuota)	734.70	3	2	9904	82.3	90.2	103.1	9.5	73.4	81.6	95.0	9.6	71.9	82.1	98.8	11.6	31.239445	-110.962908
T. Izq. Periférico Luis Donaldo Colosio	740.70	1	1	25567	60.4	67.7	83.1	9.5	50.9	61.8	78.6	12.0	54.9	63.0	80.7	9.3	31.279294	-110.940450
T. Izq. Periférico Luis Donaldo Colosio	740.70	1	2	26141	67.0	74.4	92.0	9.7	64.9	73.4	91.2	9.9	61.7	69.9	87.9	10.1	31.279275	-110.940448
Nogales	743.70	1	1	16799	73.3	81.2	94.9	9.5	72.7	81.2	94.8	10.0	65.4	76.7	93.6	12.2	31.281452	-110.939053
Nogales	743.70	1	2	17304	71.5	79.8	94.7	10.1	60.6	66.8	81.5	9.0	61.3	69.1	83.8	9.6	31.281457	-110.939051

14 C A R R : Santa Ana - Sonoita

CLAVE: 26080

RUTA: MEX-002D-MEX

AÑO : 2013

L U G A R	E S T A C I O N				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				C O O R D E N A D A S	
	KM	TE	SC	TDPA	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Latitud	Longitud
Santa Ana	0.00	3	0	7259	64.0	74.2	94.4	11.6	63.2	71.9	91.8	10.4	59.9	69.8	92.3	11.5	30.551181	-111.121561
El Ocuca	31.55	1	0	4497	106.7	123.9	142.3	16.4	103.9	116.3	142.2	13.9	94.5	110.2	141.2	16.2	30.585681	-111.430436
El Ocuca	31.55	1	0	5258	107.0	128.1	143.0	17.7	104.1	135.7	143.8	22.7	100.1	132.9	143.5	23.4	30.585681	-111.430437
El Ocuca	31.55	3	0	3941	96.4	108.9	124.6	13.4	89.7	98.8	109.5	12.1	82.9	91.9	103.7	11.0	30.585763	-111.438265
El Ocuca	31.55	3	0	4270	100.6	114.2	135.7	14.9	94.2	103.5	120.3	11.9	89.1	99.8	121.9	13.0	30.585764	-111.438266
Altar	72.80	1	0	9746	55.5	64.9	84.3	11.0	54.0	61.9	75.7	9.2	50.9	58.8	79.9	10.4	30.710565	-111.830388
Altar	72.80	3	1	3535	97.3	111.0	131.8	14.2	94.0	106.8	122.4	14.0	86.7	98.9	122.8	13.2	30.713204	-111.854902
Altar	72.80	3	2	3839	96.6	110.4	131.6	14.2	95.1	106.5	122.0	12.5	86.6	99.0	122.5	13.2	30.713204	-111.854903
T. Izq. Estación Pitiquito	94.28	1	0	7378	74.3	89.1	109.9	15.0	73.7	91.3	105.9	16.8	64.8	82.6	103.4	18.2	30.688489	-112.032288
Caborca	103.83	1	0	10493	71.6	81.3	99.9	11.3	69.4	77.4	92.0	10.1	66.7	74.7	94.7	10.7	30.709960	-112.126935

CLAVE: 26080

RUTA: MEX-002D-MEX

AÑO : 2013

L U G A R	E S T A C I O N				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				C O O R D E N A D A S	
	KM	TE	SC	TDPA	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Latitud	Longitud
Cozón	180.30	1	0	3007	112.5	133.5	143.5	18.1	101.4	113.6	138.4	13.8	92.4	104.4	133.7	14.4	31.290269	-112.543850
Sonoita	253.70	1	0	3183	88.2	102.6	124.1	14.9	80.7	92.1	109.2	13.1	72.1	83.8	104.7	13.4	31.846816	-112.858972

CLAVE: 26233

RUTA: SON-064

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. Santa Ana - Sonoita	0.00	3	0	1491	55.7	69.3	90.8	13.7	57.1	64.3	85.6	9.5	53.5	62.4	84.3	10.5	30.722277	-111.831211
Sáric	68.00	1	0	280	44.8	54.0	72.8	10.8	54.3	65.4	74.4	8.9	50.3	61.9	75.8	11.8	31.099971	-111.389150

CLAVE: 26225

RUTA: SON-037

AÑO : 2013

[illegible]

CLAVE: 26117

RUTA: SON-029

AÑO : 2013

[illegible]

CLAVE: 26242

RUTA: SON-117

AÑO : 2013

[illegible]

SONORA

19 C A R R : Hermosillo - Bahía Kino

CLAVE: 26109

RUTA: SON-100

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
Hermosillo	0.00	3	1	12605	64.0	77.4	93.5	13.2	72.6	84.5	104.2	13.9	64.3	77.9	100.9	13.2	29.094663	-111.013619
Hermosillo	0.00	3	2	12813	59.1	68.1	83.9	10.0	61.8	72.4	87.5	12.3	58.1	67.0	83.4	10.7	29.094664	-111.013618
T. Der. Aeropuerto	11.00	1	1	10601	69.4	77.6	94.1	10.5	70.9	78.2	92.0	9.7	68.3	75.2	91.3	10.3	29.090299	-111.045944
T. Der. Aeropuerto	11.00	1	2	10943	69.2	78.2	96.7	11.0	64.1	72.8	84.1	9.0	62.4	71.6	84.3	9.9	29.090292	-111.045941
T. Der. Aeropuerto	11.00	3	1	6913	63.7	75.0	90.8	13.4	67.1	78.0	91.6	12.0	62.7	74.0	89.6	12.3	29.088106	-111.053470
T. Der. Aeropuerto	11.00	3	2	6865	66.3	78.9	94.1	13.7	67.8	78.9	92.7	12.1	64.1	75.4	92.2	12.6	29.088110	-111.053478
T. Izq. Calle 4 Sur	53.00	3	0	6416	91.1	103.6	121.7	14.0	87.4	101.1	115.2	14.6	85.9	100.9	119.8	15.6	28.839541	-111.396690
El Triunfo	55.50	1	0	7026	78.1	92.9	112.8	15.6	76.6	93.8	113.4	17.2	72.0	91.4	113.5	18.5	28.839483	-111.426819
T. Der. Calle 36	84.40	1	0	2239	96.6	110.3	130.8	14.1	85.6	102.8	123.4	17.9	83.6	102.6	125.0	18.7	28.831371	-111.711522
T. Der. Calle 36	84.40	3	0	1920	95.5	107.9	129.0	13.0	87.9	104.4	121.4	17.7	93.0	109.3	133.9	16.4	28.831279	-111.718061
Bahía Kino	106.50	1	0	2470	79.1	90.8	109.4	12.8	72.0	83.7	101.8	13.0	73.8	86.2	108.4	13.8	28.828447	-111.930294

20 C A R R : Hermosillo - Sahuaripa

CLAVE: 26230

RUTA: SON-020

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. Libramiento de Hermosillo	0.00	3	1	4662	56.4	65.4	81.1	11.0	53.7	61.8	72.7	9.2	51.0	61.1	74.0	11.6	29.030417	-110.901223
T. C. Libramiento de Hermosillo	0.00	3	2	4527	50.2	62.1	75.8	13.0	49.3	59.7	71.4	12.2	46.3	56.9	72.0	12.2	29.030420	-110.901215
Mazatán	88.00	1	0	1006	62.3	76.7	93.8	15.1	61.3	72.3	87.1	10.6	61.4	74.4	94.2	13.9	29.005209	-110.148345
Mazatán	88.00	3	0	904	72.1	85.7	103.9	14.4	77.4	91.7	102.5	14.8	71.9	86.4	106.5	15.2	28.997005	-110.135902
Sahuaripa	199.00																	

21 C A R R : Hornos - San Nicolás

CLAVE: 26243

RUTA: SON-012

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
Hornos	0.00	3	0	1362	71.9	84.1	100.3	13.5	72.6	83.6	100.3	12.6	63.6	76.4	96.1	12.2	27.719275	-109.895001
Rosario	58.00	1	0	1113	60.4	73.5	94.4	14.2	59.9	72.1	94.6	12.8	56.2	64.5	86.1	9.7	27.842223	-109.383575
San Nicolás	137.20																	

22 C A R R : Huatabampo - Bacabachi

CLAVE: 26237

RUTA: SON-176

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
Huatabampo	0.00	3	0	2325	62.3	76.4	94.8	14.7	64.5	74.8	94.8	11.9	59.7	70.8	91.6	11.5	26.825257	-109.600622

SONORA

22 C A R R : Huatabampo - Bacabachi

CLAVE: 26237

RUTA: SON-176

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. Los Mochis - Cd. Obregón (Cuota)	29.00	1	0	1682	52.3	67.0	89.9	14.7	48.8	63.4	82.1	14.2	51.6	54.7	76.7	9.2	26.838645	-109.369831

23 C A R R : La Alameda - El Sahuaro

CLAVE: 26234

RUTA: SON-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. Caborca - El Desemboque	0.00	3	0	3115	58.2	68.7	86.9	11.8	59.2	67.1	81.6	9.6	58.6	69.0	87.9	11.5	30.807697	-112.720617
Estación El Sahuaro	47.00	1	0	2091	84.1	95.7	113.1	12.9	78.9	92.0	104.6	14.0	74.5	89.8	108.8	14.6	31.041917	-112.943422

24 C A R R : Mazocahui - Cananea

CLAVE: 26118

RUTA: SON-118

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. Hermosillo - Moctezuma	0.00	3	0	1052	65.0	74.3	92.2	10.8	61.5	71.1	84.2	10.1	59.4	69.2	86.8	9.8	29.544828	-110.120633
Baviácora	15.20	3	0	1750	71.8	84.7	108.2	14.2	72.2	84.9	103.6	13.7	69.4	84.1	106.3	14.6	29.727885	-110.166839
Arizpe	98.00	1	0	337	60.0	69.6	82.9	10.5	58.0	71.5	83.8	11.0	56.7	61.0	83.8	7.2	30.331129	-110.177349
T. C. Imuris - Agua Prieta	204.00	1	0	1281	72.1	84.6	104.0	13.9	71.0	83.0	103.3	13.4	67.7	81.3	105.1	13.8	30.987996	-110.260798

25 C A R R : Navojoa - Álamos

CLAVE: 26240

RUTA: SON-013

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
Navojoa	0.00	3	0	3410	77.6	91.6	115.5	14.8	72.7	89.2	108.6	15.4	70.2	84.7	111.7	15.6	27.074358	-109.402472
Álamos	52.80	1	0	2870	71.3	87.6	111.3	16.0	65.0	79.9	100.5	14.2	68.1	85.5	115.9	17.2	27.032818	-108.954755

26 C A R R : Navojoa - Yavaros

CLAVE: 26229

RUTA: SON-056

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
Navojoa	0.00	3	1	4812	77.7	91.4	108.4	14.6	77.5	90.2	105.3	13.7	72.9	87.7	111.0	15.5	27.040312	-109.467011
Navojoa	0.00	3	2	4999	77.8	91.5	108.2	14.5	78.1	90.8	107.1	13.8	73.9	89.4	113.6	15.9	27.040312	-109.467011
Yavaros	55.00	1	0	1920	38.4	43.8	54.3	8.0	36.4	43.8	53.4	8.1	39.9	49.7	54.6	10.5	26.705467	-109.543915

SONORA

27 C A R R : Nogales - San Antonio

CLAVE: 26110

ruta: SON

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
Nogales	0.00																	
San Antonio	58.00	1	0	355	74.5	84.0	94.5	10.9	78.6	83.7	92.5	9.3	70.7	82.7	94.9	13.6	30.983315	-110.584719

28 C A R R : Ramal a Aeropuerto de Guaymas

CLAVE: 26568

ruta: SON

AÑO : 2013

L U G A R	E S T A C I O N				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				C O O R D E N A D A S	
	KM	TE	SC	TDPA	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Latitud	Longitud
T. C. Cd. Obregón - Hermosillo	0.00	3	1	4788	62.8	71.7	84.8	10.4	60.3	67.7	75.2	8.3	58.1	66.7	84.6	10.5	27.952749	-110.930305
T. C. Cd. Obregón - Hermosillo	0.00	3	2	5150	63.8	72.5	86.6	10.1	58.9	64.6	79.0	8.2	56.2	64.8	82.1	10.3	27.952749	-110.930304
Aeropuerto de Guaymas	3.00	3	0	6563	69.0	79.0	95.6	11.4	59.6	66.2	80.3	8.0	63.1	71.6	85.4	9.9	27.980304	-110.913574

29 C A R R : San Luis Río Colorado - Golfo de Santa Clara

CLAVE: 26226

ruta: SON-040

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 Luis Río Colorado	0.00	3	1	2598	83.6	94.8	114.0	13.1	73.3	91.2	103.9	17.3	83.8	100.6	120.0	16.3	32.446116	-114.840600
San Luis Río Colorado	0.00	3	2	2602	82.6	94.0	111.1	12.5	74.1	91.2	102.9	16.0	77.7	94.4	110.8	16.1	32.446115	-114.840601
T. Izq. Lagunitas	25.50	3	0	4811	85.2	98.1	119.4	13.4	79.1	95.2	113.9	17.1	82.3	98.8	126.3	16.9	32.316672	-114.952473
Golfo de Santa Clara	114.30	1	0	1730	86.8	99.2	116.5	13.3	71.3	88.8	104.8	15.9	76.7	94.2	115.3	17.0	31.706619	-114.523790

30 C A R R : Sonoita - Pitiquito

CLAVE: 26022

ruta: SON

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
Sonoita	0.00	3	0	1553	57.0	66.4	83.5	11.6	55.2	62.8	85.2	8.6	56.2	65.6	88.3	10.3	31.855030	-112.828385
Pitiquito	170.00	1	0	570	44.7	52.4	64.4	9.4	44.2	50.7	54.6	8.0	40.2	51.3	59.6	12.7	30.722660	-112.094744

31 C A R R : T. C. (Hermosillo - Nogales) - Huásabas

CLAVE: 26231

ruta: MEX-014-SON

AÑO : 2013

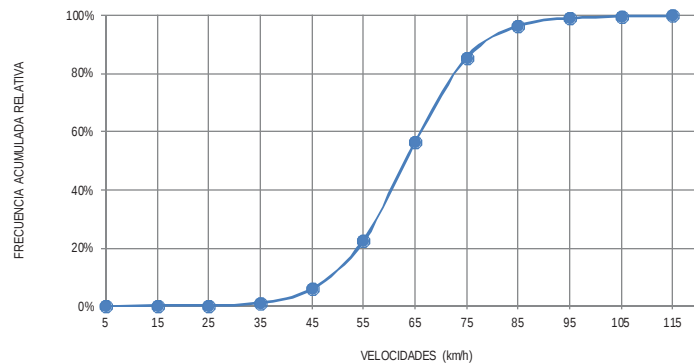
L U G A R	E S T A C I O N				VELOCIDAD AUTOS (km/h)				VELOCIDAD AUTOBUSES (km/h)				VELOCIDAD CAMIONES (km/h)				C O O R D E N A D A S	
	KM	TE	SC	TDPA	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Promedio	P 85	P 98	δ	Latitud	Longitud
T. C. Hermosillo - Nogales	0.00	3	1	7297	81.4	91.5	107.1	11.6	80.8	91.9	104.3	12.3	78.2	90.7	104.9	13.2	29.170000	-110.901111
T. C. Hermosillo - Nogales	0.00	3	2	7285	79.4	89.4	104.6	11.5	78.2	88.9	102.6	11.9	77.4	89.3	105.1	13.0	29.170000	-110.901111
Ures	62.00	3	0	2193	77.7	93.8	124.4	16.5	75.1	95.1	142.1	20.4	71.2	92.2	137.9	19.6	29.432222	-110.355421
Mazocahui	97.50	3	0	971	56.5	64.1	74.8	9.2	52.9	60.4	77.9	9.5	50.1	54.9	72.3	10.2	29.544156	-110.119298

SONORA

31 C A R R : T. C. (Hermosillo - Nogales) - Huásabas					CLAVE: 26231				RUTA: MEX-014-SON				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
Moctezuma					165.00	1	0	1099	67.0	77.4	92.5	11.8	60.7	68.0	82.9	8.8	58.8	67.8	84.1	9.7	29.789440	-109.691943
Moctezuma					165.00	3	0	1670	66.0	76.9	92.3	12.0	58.8	64.5	83.0	8.1	60.6	71.1	87.4	10.7	29.800742	-109.666758
Huásabas					212.50	1	0	607	68.6	77.4	93.5	10.8	64.0	72.9	106.0	10.7	63.2	74.5	97.4	11.8	29.917770	-109.308550

1 Carr: Hermosillo - Yécora

CLAVE: 26251

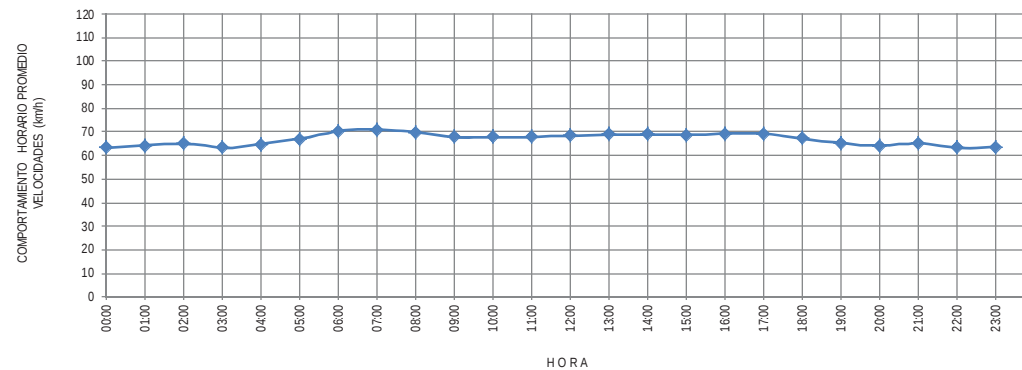


ruta: MEX-016

KM: 4.000

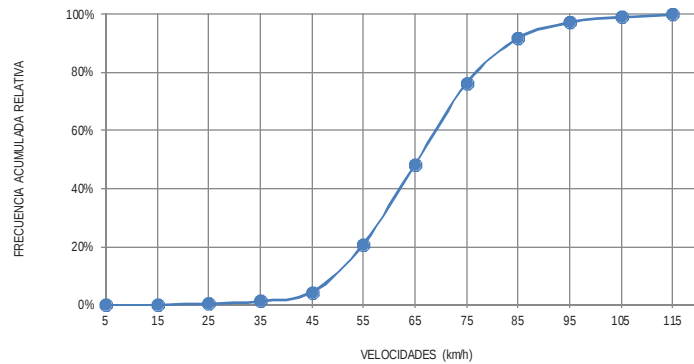
TE: 3

SC: 1



2 Carr: Imuris - Agua Prieta

CLAVE: 26079

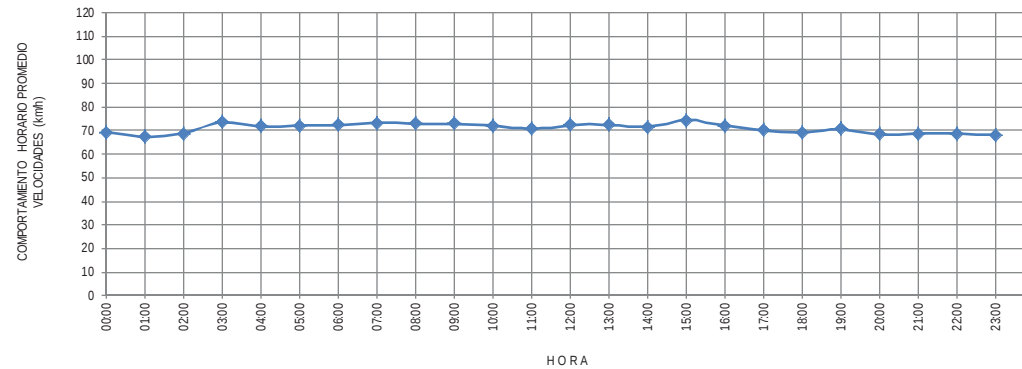


ruta: MEX-002

KM: 0.000

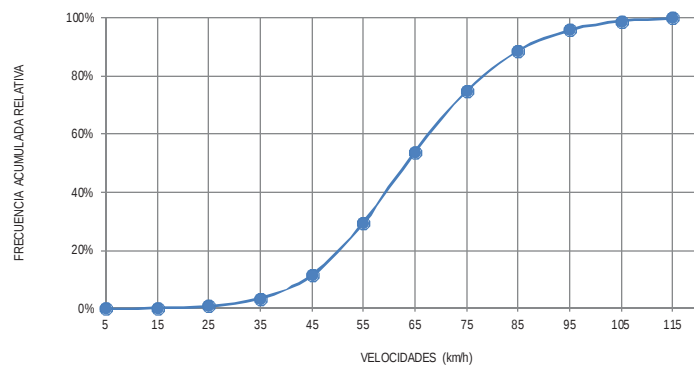
TE: 3

SC: 0



3 Carr: Janos - Agua Prieta

CLAVE: 00220

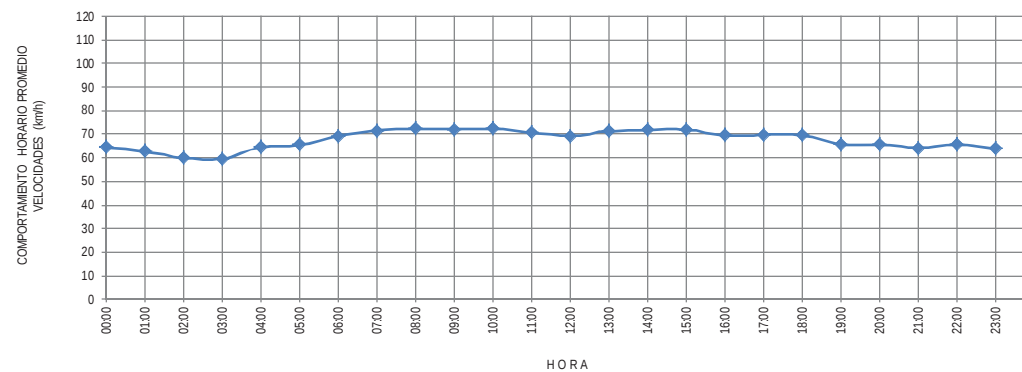


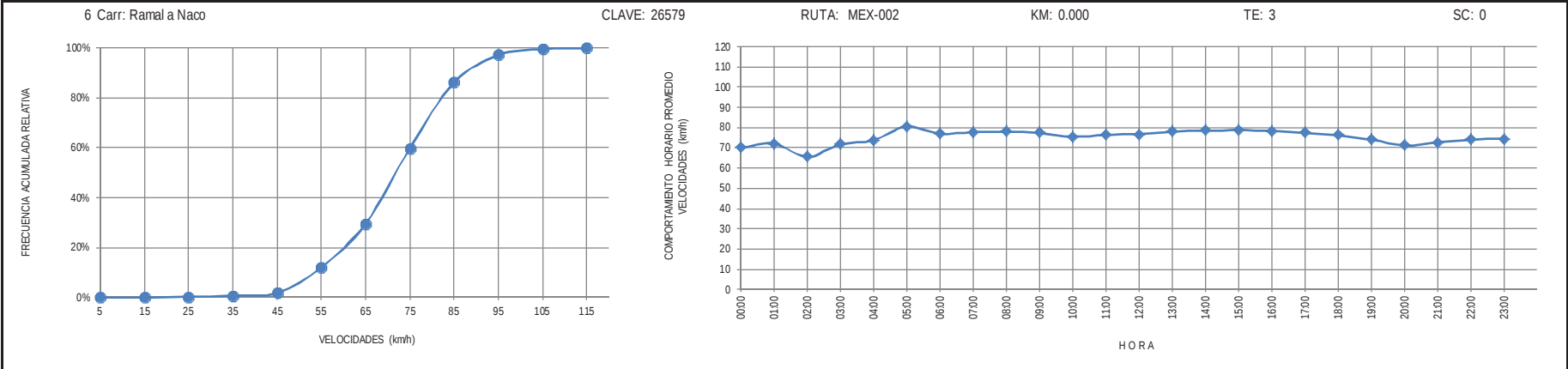
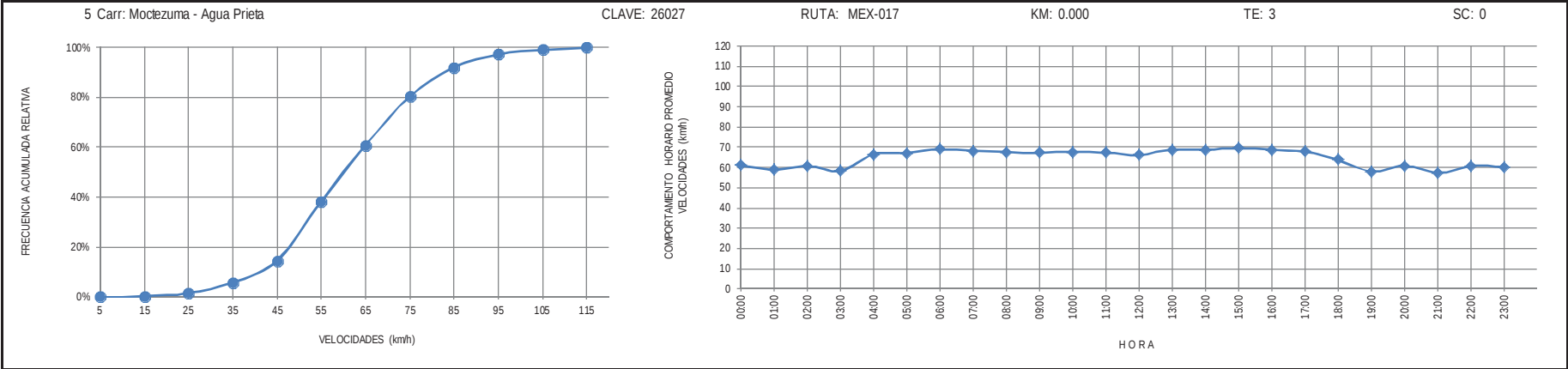
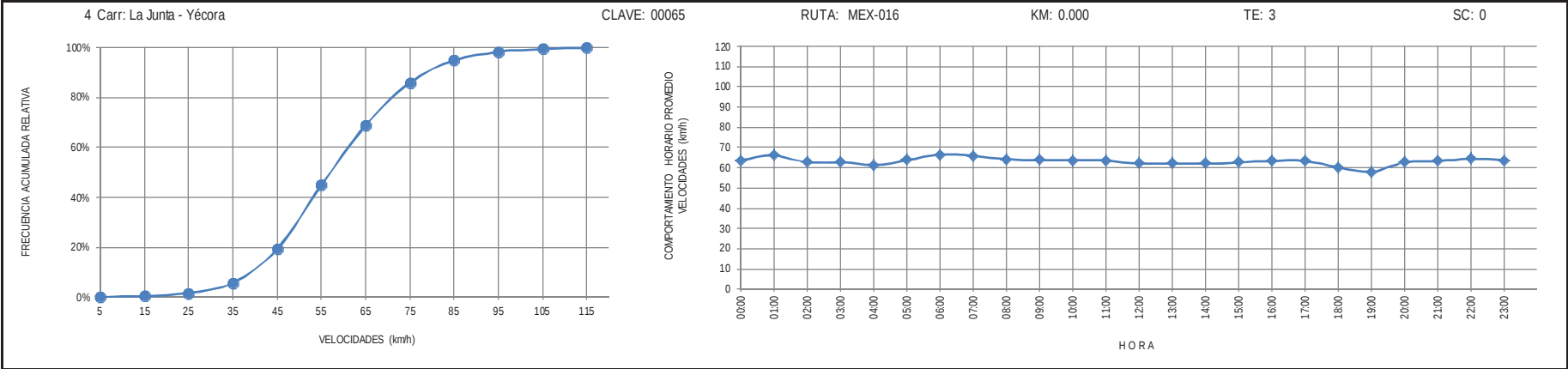
ruta: MEX-002

KM: 0.000

TE: 3

SC: 0





7 Carr: Ramal a Puerta de México

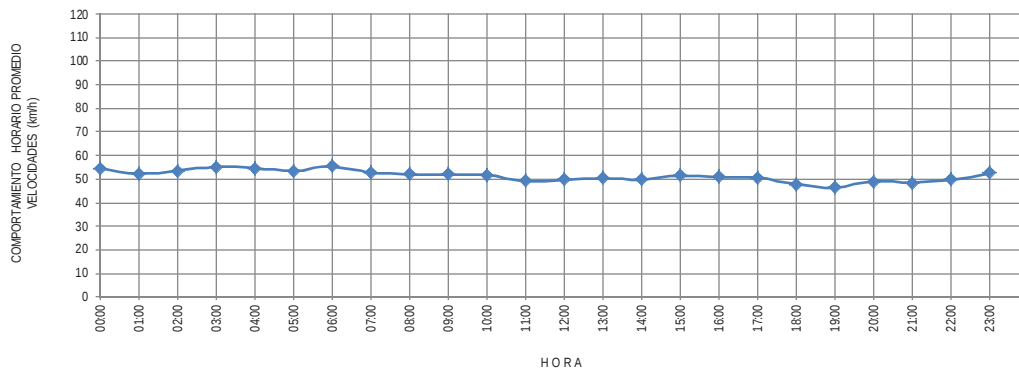
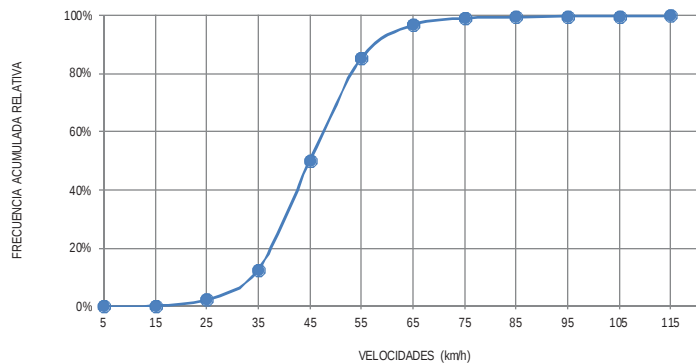
CLAVE: 26577

RUTA: MEX-002

KM: 0.000

TE: 3

SC: 0



8 Carr: Sonoita - Mexicali

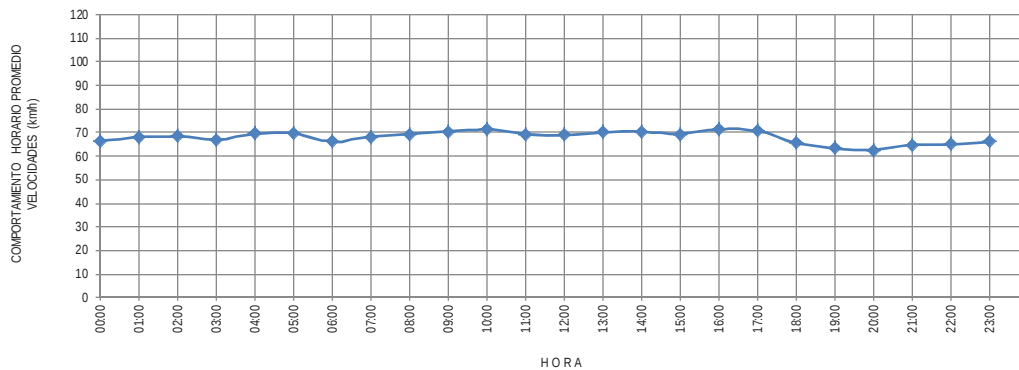
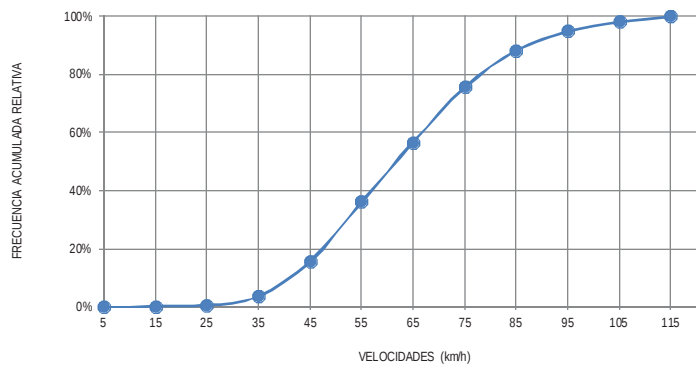
CLAVE: 00081

RUTA: MEX-002

KM: 0.000

TE: 3

SC: 0



9 Carr: Sonoita - Puerto Peñasco

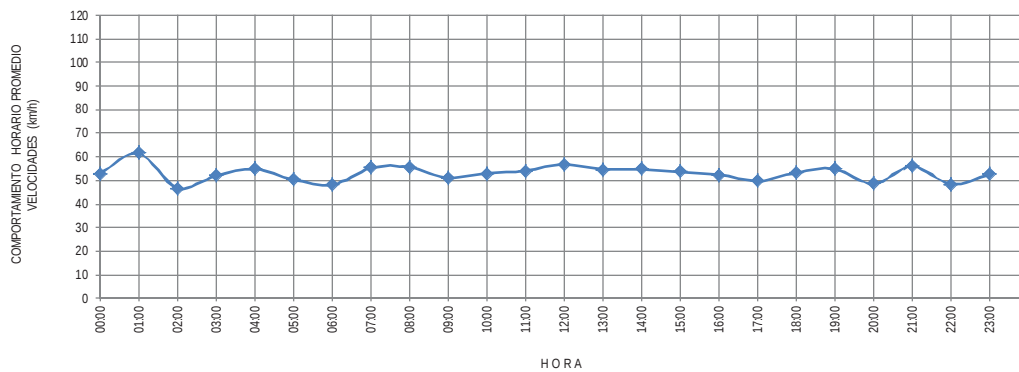
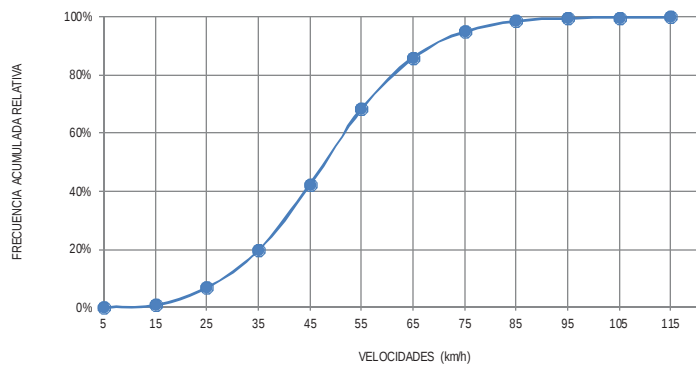
CLAVE: 26232

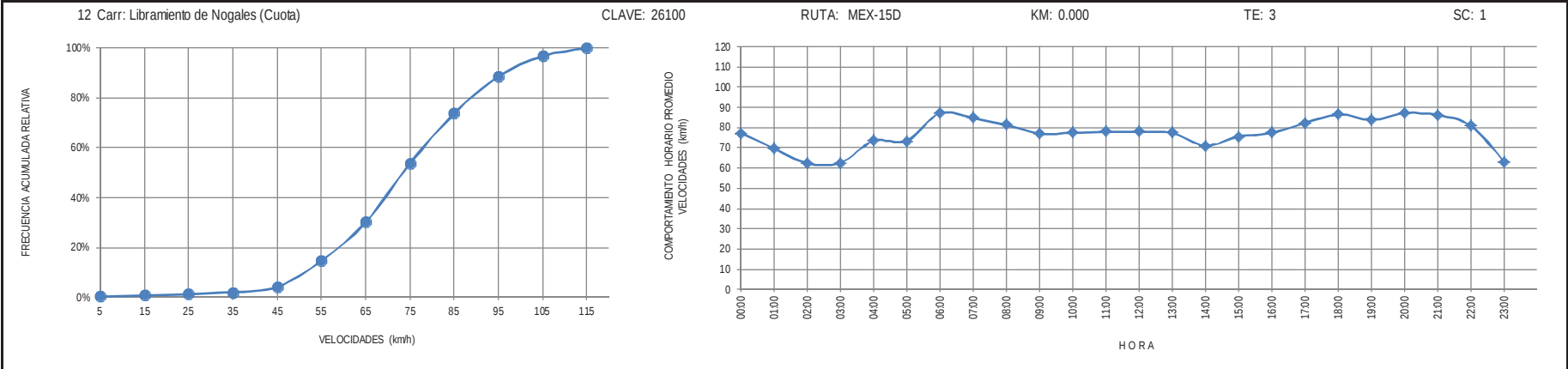
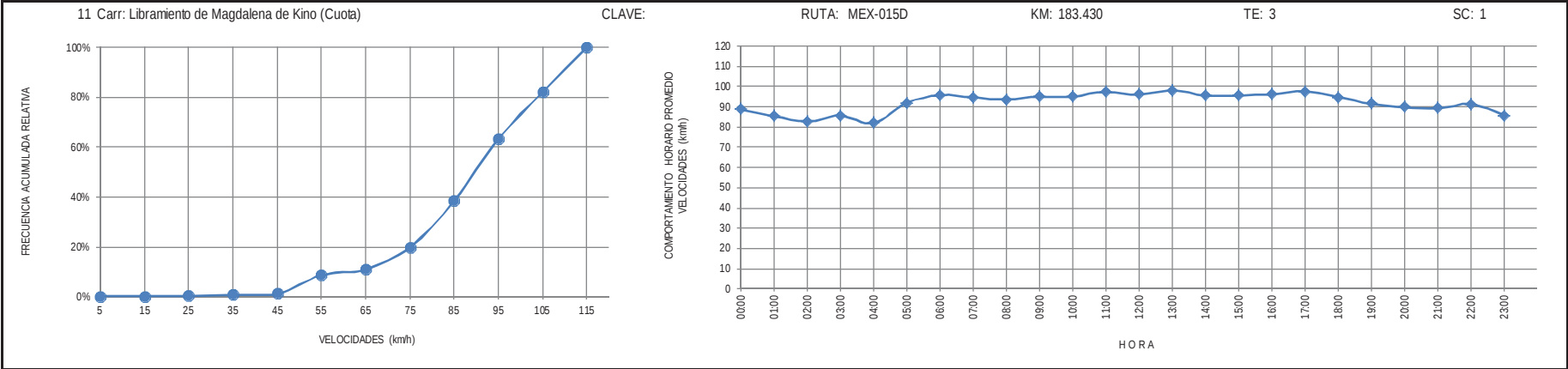
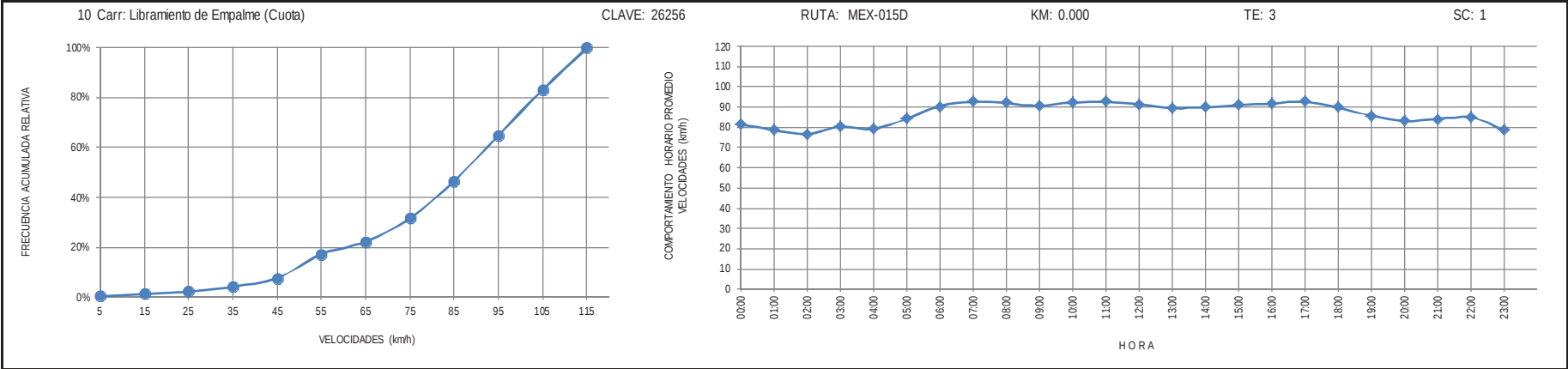
RUTA: MEX-002

KM: 0.000

TE: 3

SC: 0





13 Carr: Est. Don - Nogales (Cuota)

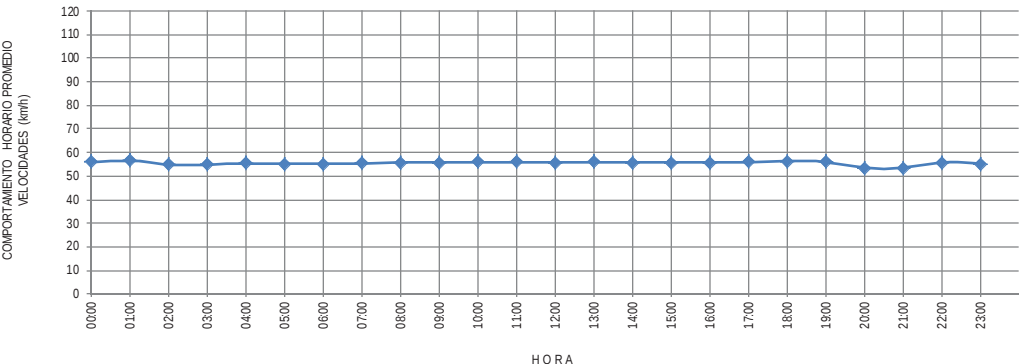
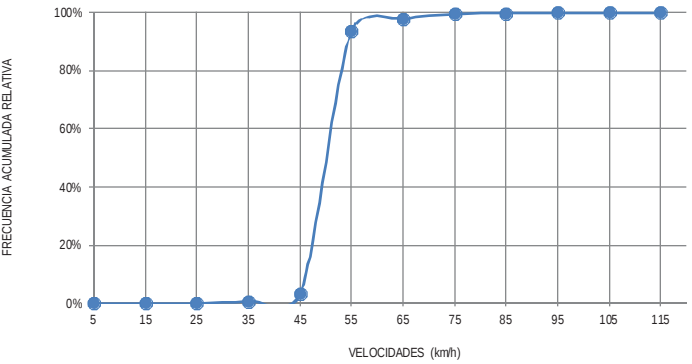
CLAVE: 26444

ruta: MEX-015D-015

KM: 0.000

TE: 3

SC: 1



14 Carr: Santa Ana - Sonolita

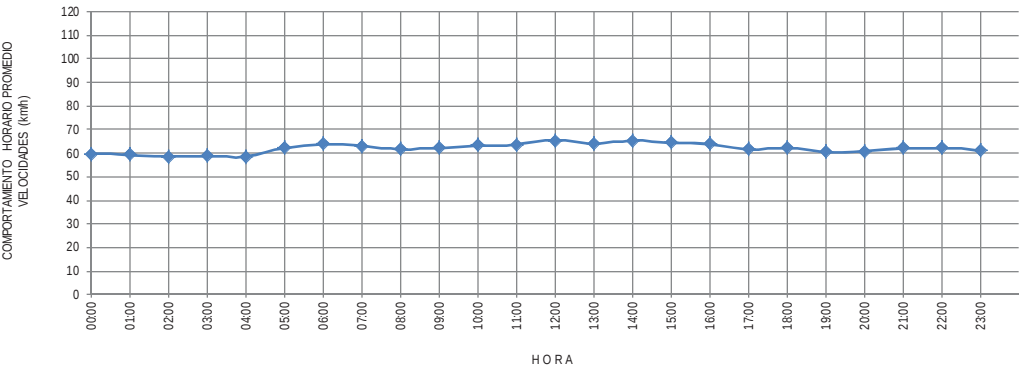
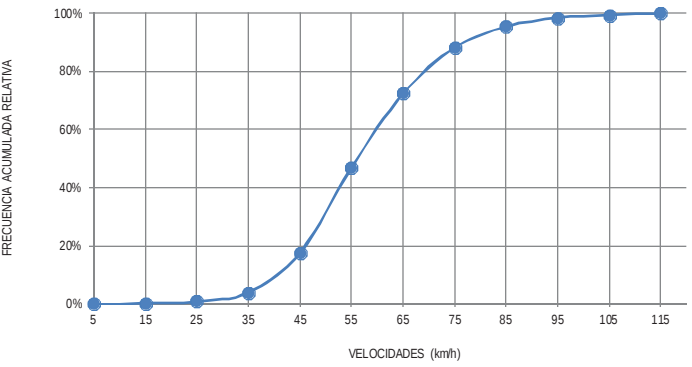
CLAVE: 26080

ruta: MEX-002D-MEX

KM: 0.000

TE: 3

SC: 0



15 Carr: Altar - S  ric

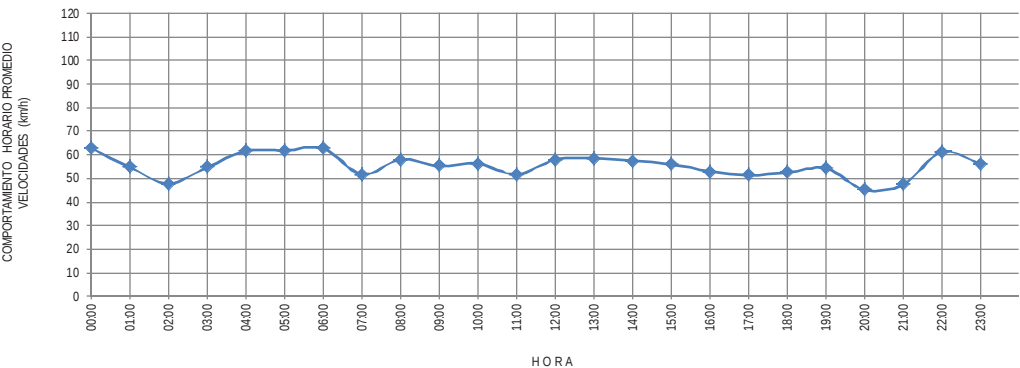
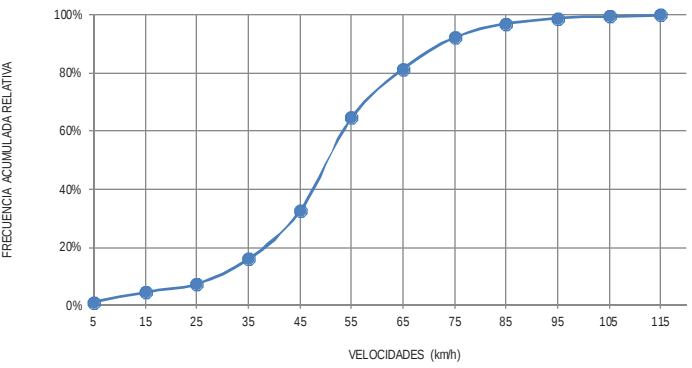
CLAVE: 26233

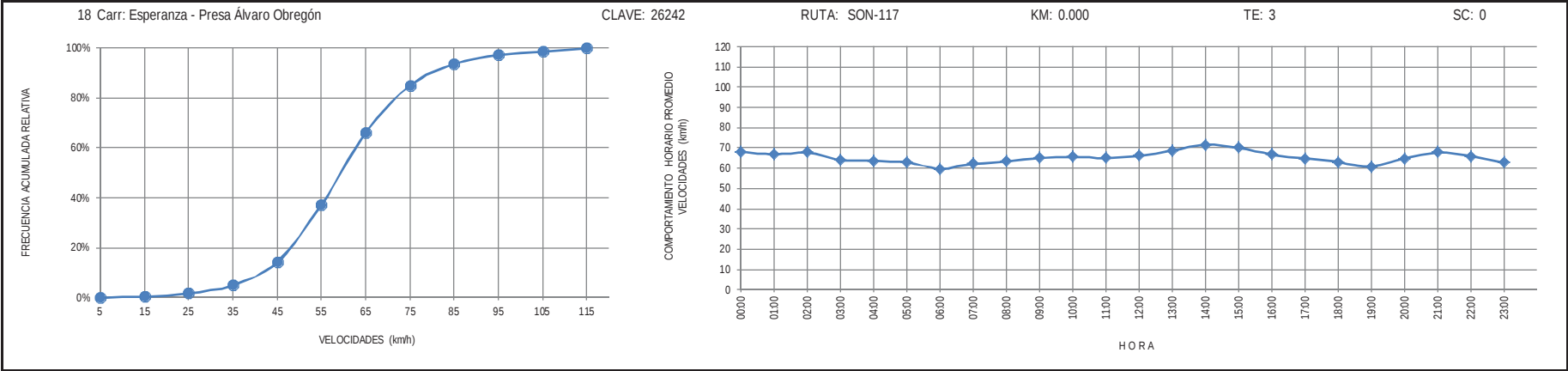
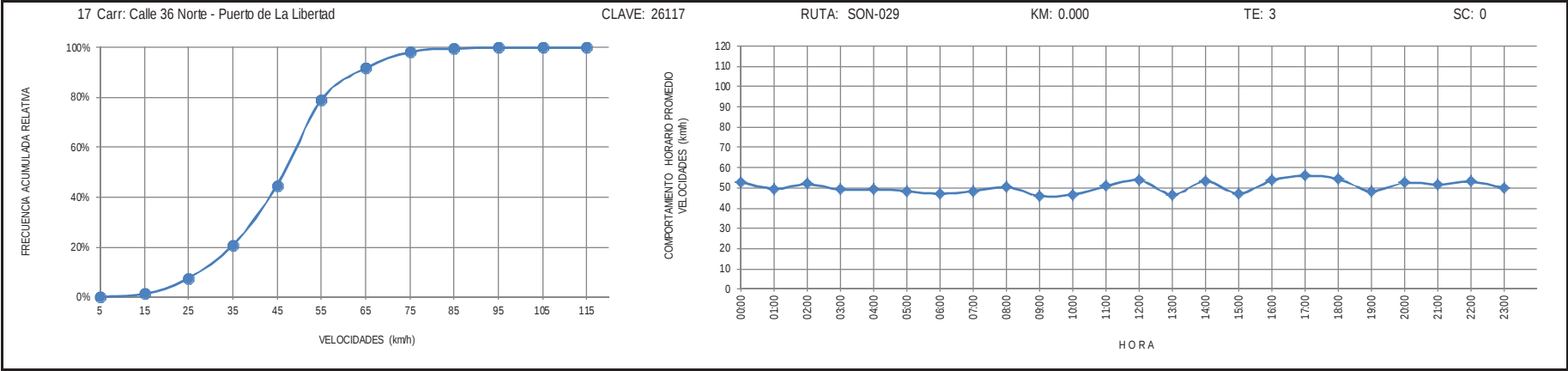
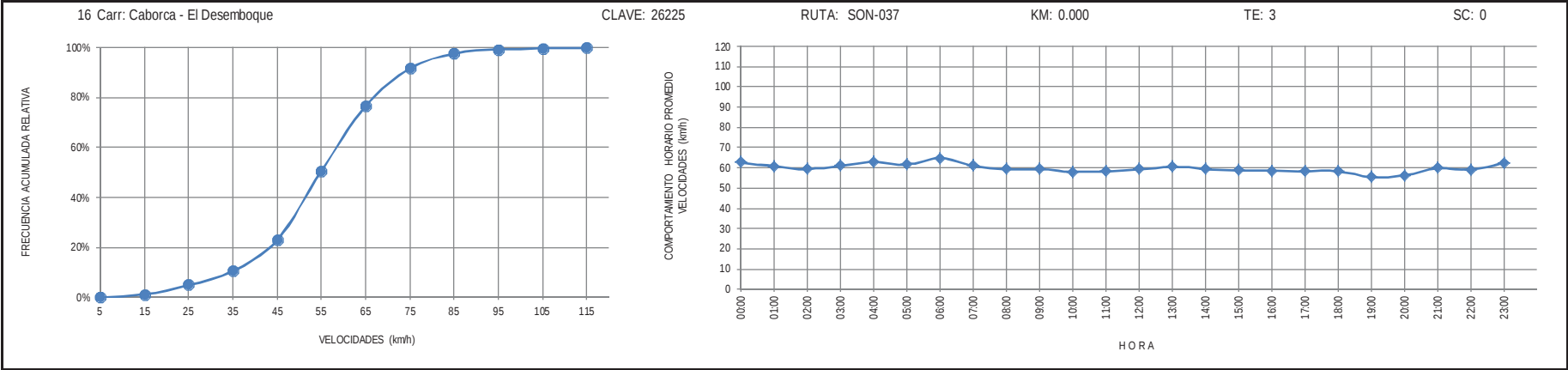
ruta: SON-064

KM: 0.000

TE: 3

SC: 0





19 Carr: Hermosillo - Bahía Kino

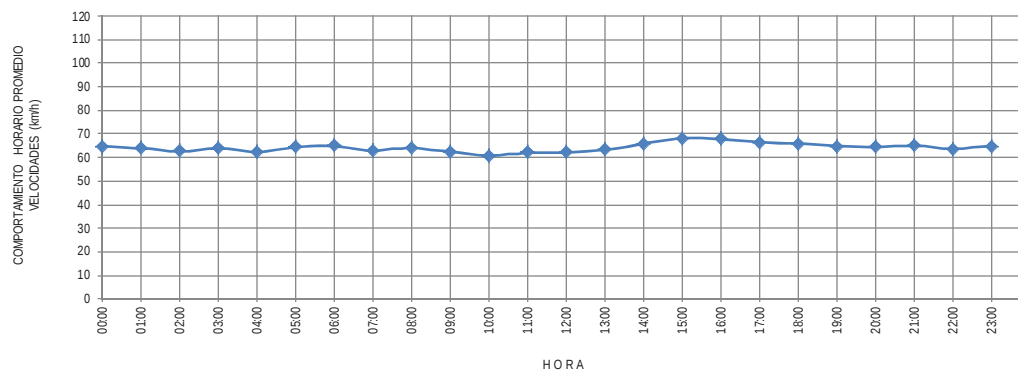
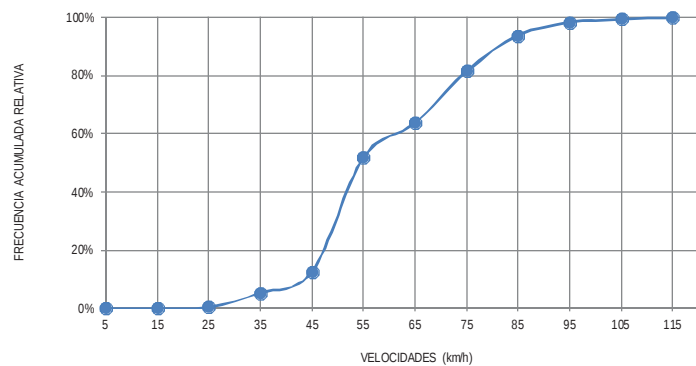
CLAVE: 26109

ruta: SON-100

KM: 0.000

TE: 3

SC: 1



20 Carr: Hermosillo - Sahuaripa

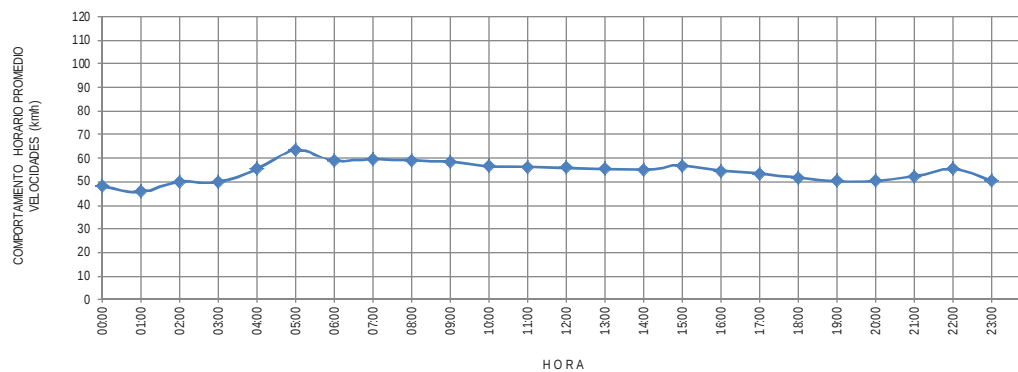
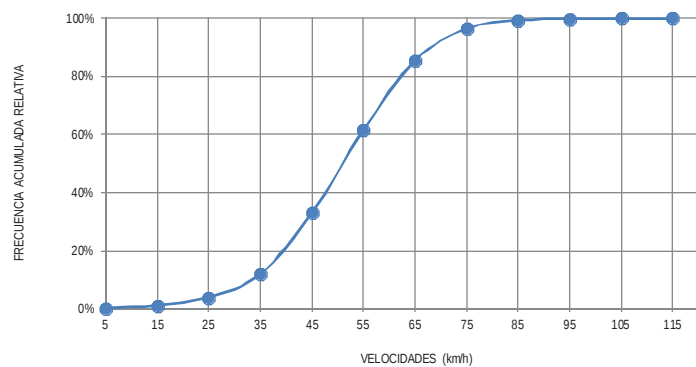
CLAVE: 26230

ruta: SON-020

KM: 0.000

TE: 3

SC: 1



21 Carr: Hornos - San Nicolás

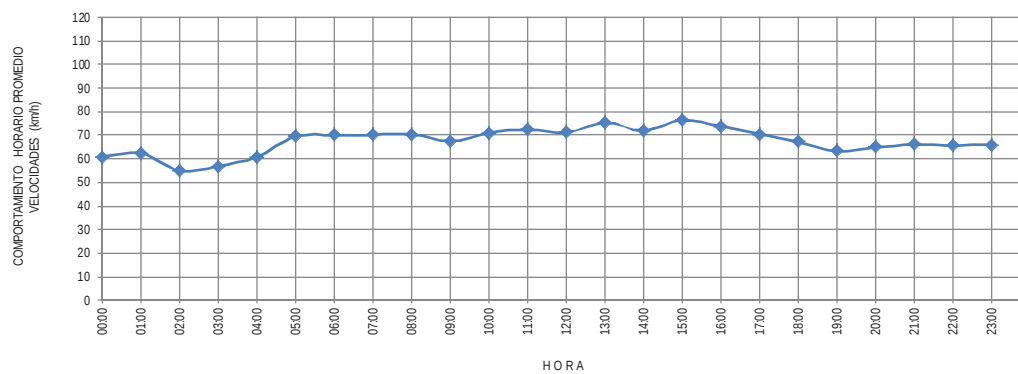
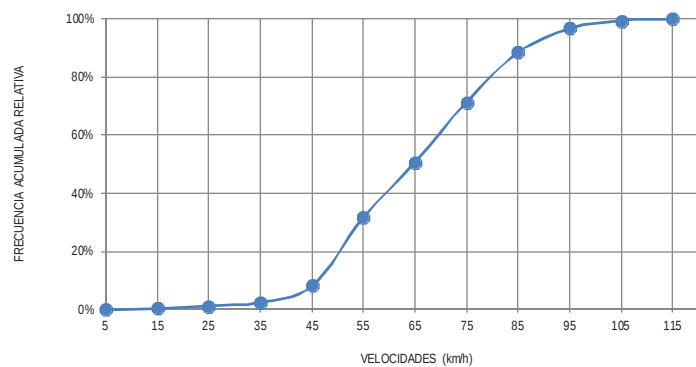
CLAVE: 26243

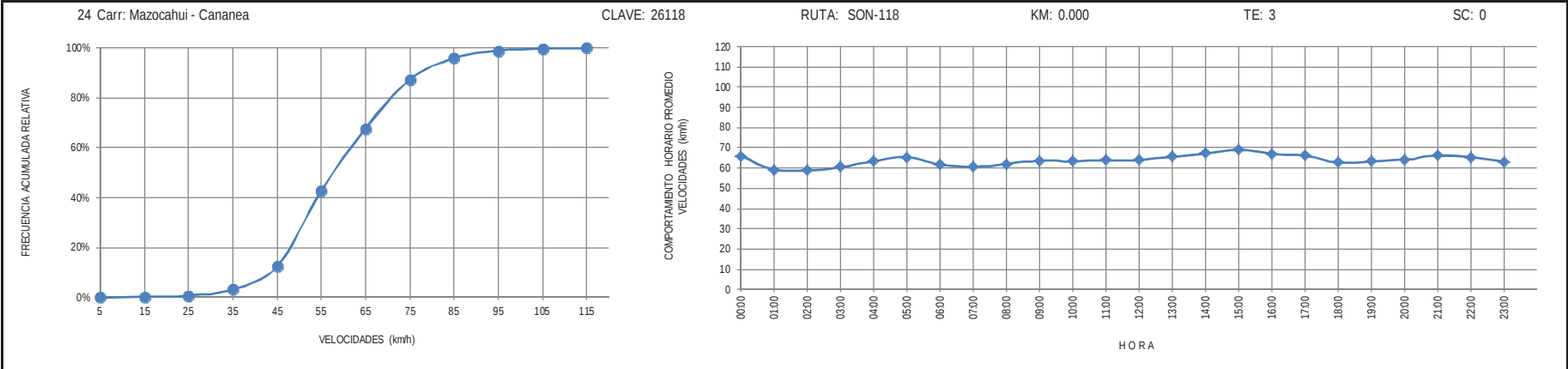
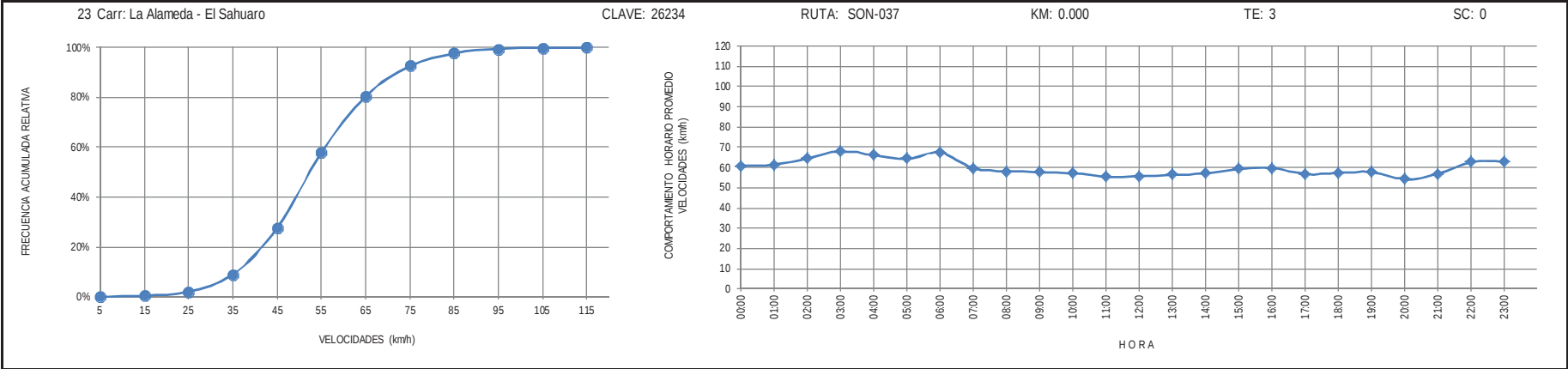
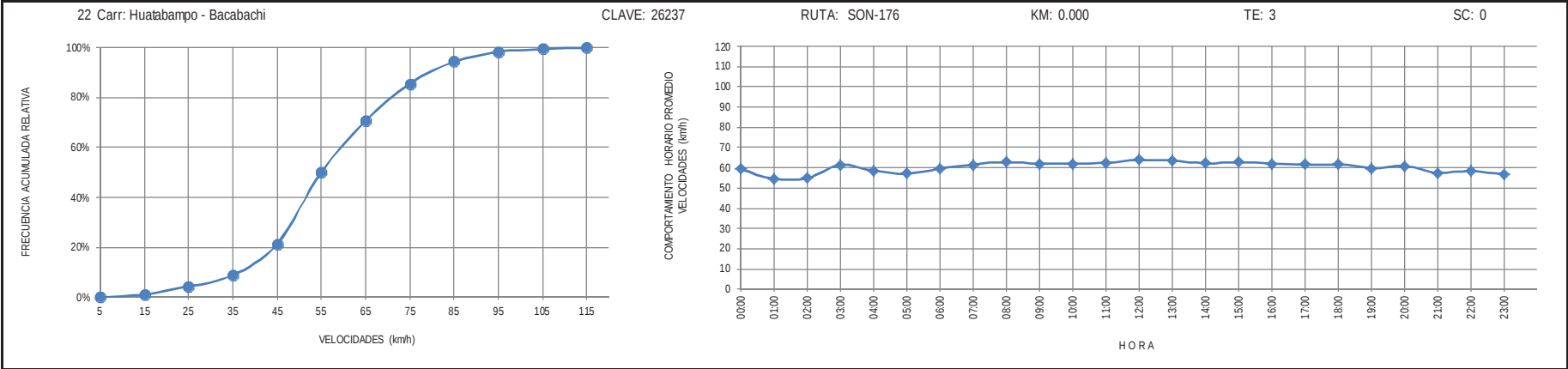
ruta: SON-012

KM: 0.000

TE: 3

SC: 0





25 Carr: Navoja - Álamos

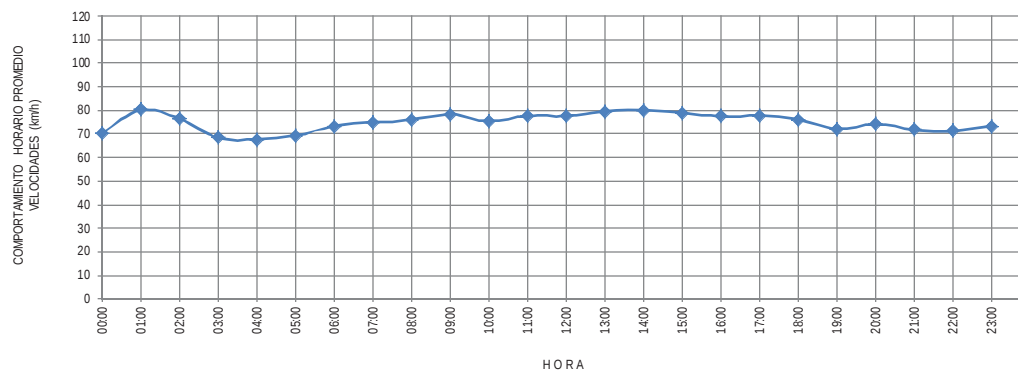
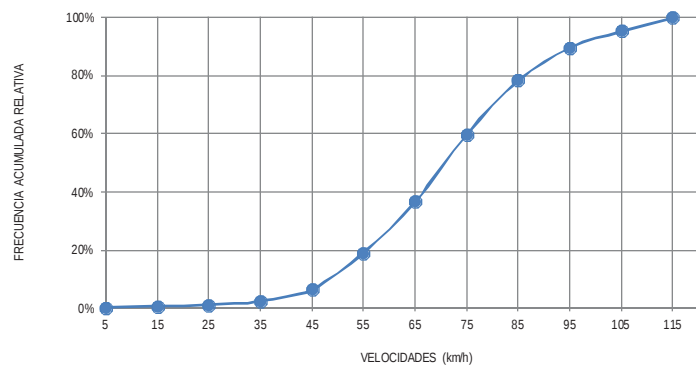
CLAVE: 26240

ruta: SON-013

KM: 0.000

TE: 3

SC: 0



26 Carr: Navoja - Yavaros

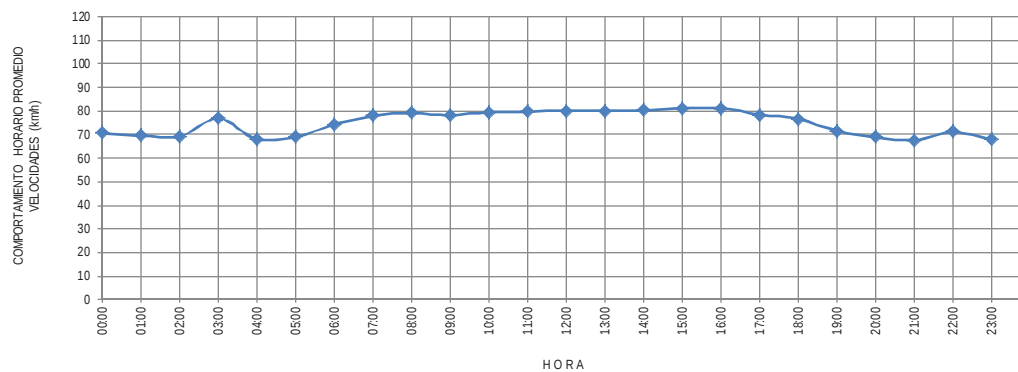
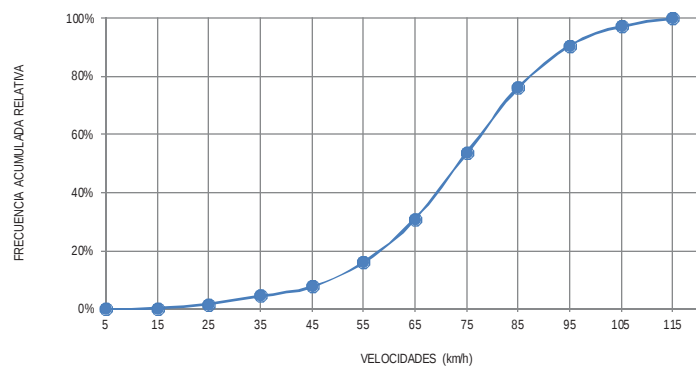
CLAVE: 26229

ruta: SON-056

KM: 0.000

TE: 3

SC: 1



27 Carr: Nogales - San Antonio

CLAVE: 26110

ruta: SON

KM: 58.000

TE: 1

SC: 0

