

ANEXO

Anexo A.1. Detalle conteos vehiculares – La Florida

CONTEOS VEHICULARES LA FLORIDA

Eje Punta Arenas (entre Millaray y Atahualpa)
Punto de Medición 1

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	37	8	2	2		49
7:35 - 7:40	38	7	3	1		49
7:40 - 7:45	36	3	2	2		43
7:45 - 7:50	43	5	3	1		52
7:50 - 7:55	52	4	6			62
7:55 - 8:00	40	6	1	1		48
8:00 - 8:05	33	3	3	1	1	41
8:05 - 8:10	37	2	3	2		44
8:10 - 8:15	46	5	2	1		54
8:15 - 8:20	58	4	3	3		68
8:20 - 8:25	35		3	2	1	41
8:25 - 8:30	35		2	2		39
TOTAL	490	47	33	18	2	590

Eje Punta Arenas (entre Millaray y Atahualpa)
Punto de Medición 2

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	22	6	2	1	1	32
7:35 - 7:40	27	2	2	2		33
7:40 - 7:45	31	2	1	1		35
7:45 - 7:50	32	2				34
7:50 - 7:55	26	2	3		1	32
7:55 - 8:00	31	4	2			37
8:00 - 8:05	25	2	4			31
8:05 - 8:10	37	3	2			42
8:10 - 8:15	27	3	2			32
8:15 - 8:20	33	3				36
8:20 - 8:25	27	2				29
8:25 - 8:30	45	1				46
TOTAL	363	32	18	4	2	419

Eje Walker Martínez (entre Julio Vildósola y Óscar Boehme)

Punto de
Medición 3

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	40	13	3			56
7:35 - 7:40	42	12	2			56
7:40 - 7:45	37	12	2	1		52
7:45 - 7:50	49	14	3	1	1	68
7:50 - 7:55	42	15	3			60
7:55 - 8:00	48	16	2			66
8:00 - 8:05	49	16	3	2		70
8:05 - 8:10	47	16	3	1	1	68
8:10 - 8:15	59	21	5	3	1	89
8:15 - 8:20	56	20	8		1	85
8:20 - 8:25	60	15	2	1		78
8:25 - 8:30	61	18	5	1		85
TOTAL	590	188	41	10	4	833

Eje Walker Martínez (entre Julio Vildósola y Óscar Boehme)
Punto de
Medición 4

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	37	16	2		1	56
7:35 - 7:40	43	11	3	1		58
7:40 - 7:45	39	9	4	1	1	54
7:45 - 7:50	47	13	5		1	66
7:50 - 7:55	48	16	3	1		68
7:55 - 8:00	56	8	6			70
8:00 - 8:05	37	7	3	1	1	49
8:05 - 8:10	47	13	3	2		65
8:10 - 8:15	52	16	4	3		75
8:15 - 8:20	58	17	2	2	2	81
8:20 - 8:25	60	11	2	2		75
8:25 - 8:30	57	10	3	1		71
TOTAL	581	147	40	14	6	788

Eje Av. La Florida (entre Serafín Zamora y Rolando Froden)

Punto de
Medición 5

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	48	7	12	8		75
7:35 - 7:40	39	10	13	7		69
7:40 - 7:45	58	8	13	9		88
7:45 - 7:50	64	12	9	1		86
7:50 - 7:55	82	8	11	5	1	107
7:55 - 8:00	79	13	11	11		114
8:00 - 8:05	51	6	7	8		72
8:05 - 8:10	99	21	9	6		135
8:10 - 8:15	56	14	12	3		85
8:15 - 8:20	62	10	9	8		89
8:20 - 8:25	64	7	6	8		85
8:25 - 8:30	66	13	9	7	1	96
TOTAL	768	129	121	81	2	1,101

Eje Av. La Florida (entre Serafín Zamora y Rolando Froden)
Punto de
Medición 6

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	60	9	15	3	1	88
7:35 - 7:40	60	10	14	2	2	88
7:40 - 7:45	80	14	15	6	4	119
7:45 - 7:50	76	10	6	4	2	98
7:50 - 7:55	73	9	5	11	2	100
7:55 - 8:00	125	12	12	4	4	157
8:00 - 8:05	110	15	15	6	2	148
8:05 - 8:10	130	21	15	3	1	170
8:10 - 8:15	135	23	9	4	3	174
8:15 - 8:20	120	10	6	3	2	141
8:20 - 8:25	105	14	13	8	1	141
8:25 - 8:30	110	16	4	2	2	134
TOTAL	1184	163	129	56	26	1,558

Eje Gerónimo de Alderete (entre Santa Raquel y Las Acacias)

Punto de
Medición 7

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	12	10	7	1		30
7:35 - 7:40	11	21	11	6	1	50
7:40 - 7:45	21	32	22	6		81
7:45 - 7:50	21	34	11	4		70
7:50 - 7:55	17	31	12	6		66
7:55 - 8:00	24	23	10	3		60
8:00 - 8:05	15	20	7	2		44
8:05 - 8:10	5	5	3	2		15
8:10 - 8:15	9	13	12	2		36
8:15 - 8:20	13	22	8	7	1	51
8:20 - 8:25	9	8	4	2		23
8:25 - 8:30	10	12	9	2		33
TOTAL	167	231	116	43	2	559

Eje Gerónimo de Alderete (entre Santa Raquel y Las Acacias)
Punto de
Medición 8

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	3	3				6
7:35 - 7:40	5	4				9
7:40 - 7:45	3	2		2		7
7:45 - 7:50	3	7		1	1	12
7:50 - 7:55	3	2				5
7:55 - 8:00	3	3				6
8:00 - 8:05	3	4				7
8:05 - 8:10	2	2				4
8:10 - 8:15	10					10
8:15 - 8:20	6	9		1	1	17
8:20 - 8:25	1	1		1		3
8:25 - 8:30	3	7				10
TOTAL	45	44	0	5	2	96

Eje V. Mackenna (entre Rojas Magallanes y Sótero del Río)

Punto de
Medición 9

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	19	5	15	2		41
7:35 - 7:40	15	8	6	3		32
7:40 - 7:45	41	16	15	1		73
7:45 - 7:50	33	19	8	6		66
7:50 - 7:55	36	35	18	3		92
7:55 - 8:00	33	14	14	2		63
8:00 - 8:05	37	22	16	5		80
8:05 - 8:10	26	19	10	1		56
8:10 - 8:15	30	20	24	4		78
8:15 - 8:20	31	17	16	2		66
8:20 - 8:25	56	40	21	8	1	126
8:25 - 8:30	60	43	22	7		132
TOTAL	417	258	185	44	1	905

Eje V. Mackenna (entre Rojas Magallanes y Sótero del Río)
Punto de
Medición 10

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	29	11	16	1		57
7:35 - 7:40	20	9	10	1		40
7:40 - 7:45	36	10	12	5		63
7:45 - 7:50	37	6	15	2		60
7:50 - 7:55	44	10	17	4		75
7:55 - 8:00	37	10	21	3		71
8:00 - 8:05	55	21	19	4		99
8:05 - 8:10	51	15	19	3		88
8:10 - 8:15	39	11	12	1		63
8:15 - 8:20	34	11	17	2		64
8:20 - 8:25	46	20	15			81
8:25 - 8:30	72	32	28	4		136
TOTAL	500	166	201	30	0	897

Eje Tobalaba (entre W. Martínez y G. De Alderete)

Punto de
Medición 11

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	5	1				6
7:35 - 7:40	2	1				3
7:40 - 7:45	2	2				4
7:45 - 7:50	3	3		1		7
7:50 - 7:55	5					5
7:55 - 8:00	4	2				6
8:00 - 8:05	4	2				6
8:05 - 8:10	4	2				6
8:10 - 8:15	4	2				6
8:15 - 8:20	6	2		2		10
8:20 - 8:25	4	2				6
8:25 - 8:30	6	2				8
TOTAL	49	21	0	3	0	73

Eje Tobalaba (entre W. Martínez y G. De Alderete)
Punto de
Medición 12

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	21	2				23
7:35 - 7:40	19	2				21
7:40 - 7:45	30	2		2		34
7:45 - 7:50	25	2				27
7:50 - 7:55	22	2		1		25
7:55 - 8:00	25	2				27
8:00 - 8:05	35	2		1	1	39
8:05 - 8:10	26	2				28
8:10 - 8:15	30	2				32
8:15 - 8:20	23	2			2	27
8:20 - 8:25	22	2			1	25
8:25 - 8:30	29	2				31
TOTAL	307	24	0	4	4	339

Eje Av. La Florida (entre Trinidad y San José de la Estrella)

**Punto de
Medición 13**

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	47	4	17	8		76
7:35 - 7:40	60	2	18	8		88
7:40 - 7:45	46	1	8	5		60
7:45 - 7:50	65	6	13	4		88
7:50 - 7:55	70	4	12	5		91
7:55 - 8:00	68	3	5	6		82
8:00 - 8:05	70	4	14	10		98
8:05 - 8:10	70	4	15	10		99
8:10 - 8:15	50	7	13	7		77
8:15 - 8:20	70	7	16	10		103
8:20 - 8:25	59	5	8	6		78
8:25 - 8:30	46	3	12	9		70
TOTAL	721	50	151	88	0	1,010

**Eje
Punto de
Medición 14**

HORA	AUTOS	TAXICOLECTIVOS	BUSES	CAMIONES	MOTOS	TOTAL
7:30 - 7:35	165	29	19	10	3	226
7:35 - 7:40	206	10	5	6	1	228
7:40 - 7:45	209	10	10	9	1	239
7:45 - 7:50	210	17	6	13	4	250
7:50 - 7:55	212	13	17	10	2	254
7:55 - 8:00	216	18	10	8	1	253
8:00 - 8:05	183	11	11	11	2	218
8:05 - 8:10	225	3	12	5	3	248
8:10 - 8:15	177	15	11	7	4	214
8:15 - 8:20	165	16	7	13	1	202
8:20 - 8:25	172	14	12	8	1	207
8:25 - 8:30	175	12	12	5	4	208
TOTAL	2315	168	132	105	27	2,747

Anexo A.1. Características arcos comuna de La Florida situación actual

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Departamental	44901	44801	290	29.00	10.00	1724	862.51	0.34	401	3272	190%
Vicuña Mackenna	52271	52181	500	51.43	9.72	3725	732.50	0.68	1094	6359	171%
Punta Arenas	43796	43793	150	17.42	8.61	756	621.32	0.24	0	1229	163%
Camino La Florida	53281	541011	494	33.55	14.72	3430	290.71	1.70	746	4299	125%
Departamental	54002	541011	175	13.70	12.77	3703	253.23	0.69	1108	4639	125%
Vicuña Mackenna	43704	43702	306	22.03	13.89	4039	227.87	1.34	1038	4877	121%
Vicuña Mackenna	43708	43704	84	6.05	13.88	4039	197.98	0.42	1038	4877	121%
Vicuña Mackenna	43702	44601	36	2.59	13.90	4039	191.29	0.19	1038	4876	121%
Bahía Inglesa	52572	52371	662	91.66	7.22	756	485.03	1.36	103	907	120%
Vicuña Mackenna	43707	43708	42	3.02	13.91	4039	173.88	0.24	1038	4794	119%
Vicuña Mackenna	43710	43707	60	4.32	13.89	4039	176.31	0.34	1038	4794	119%
Vicuña Mackenna	43791	43710	216	15.55	13.89	4039	197.31	1.09	1038	4794	119%
Vicuña Mackenna	53111	53121	340	53.22	6.39	3020	234.76	1.45	993	3474	115%
Av. Tobalaba	53683	53691	320	31.14	10.28	1980	191.91	1.67	13	2274	115%
Manutara	43900	43869	468	37.44	12.50	810	253.35	1.85	0	926	114%
Departamental	44801	44601	1060	106.00	10.00	1620	324.47	3.27	206	1847	114%
Av. Tobalaba	53691	54601	430	41.84	10.28	1386	197.54	2.18	13	1570	113%
Camino La Florida	53511	53421	370	36.00	10.28	3960	176.46	2.10	635	4440	112%
Camino La Florida	53353	53271	715	88.76	8.06	1856	257.23	2.78	665	2044	110%
Manutara	43866	43865	442	35.36	12.50	1620	205.77	2.15	0	1778	110%
Vicuña Mackenna	43886	43885	120	8.64	13.89	4039	92.22	1.30	1038	4380	108%
Manutara	43869	43868	754	60.32	12.50	1620	275.92	2.73	0	1755	108%
A. Vespucio	43874	43980	270	18.34	14.72	2020	102.27	2.64	697	2173	108%
A. Vespucio	43980	53084	258	17.52	14.73	2020	100.74	2.56	697	2173	108%
Camino La Florida	53501	53511	440	42.81	10.28	3960	140.11	3.14	626	4224	107%
Bahía Catalina	42691	43602	218	32.70	6.67	1215	167.30	1.30	239	1294	106%
Bacteriológico	53211	53221	300	38.57	7.78	1215	183.42	1.64	72	1289	106%
Vicuña Mackenna	52194	53103	364	48.53	7.50	3020	139.52	2.61	982	3184	105%
Vicuña Mackenna	52193	52194	61	8.13	7.50	3020	62.62	0.97	982	3179	105%
Vicuña Mackenna	43963	43961	481	36.08	13.33	3725	110.22	4.36	988	3902	105%
Colombia	53311	53222	312	40.11	7.78	1620	172.86	1.80	0	1691	104%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Vicuña Mackenna	43802	43791	284	20.45	13.89	3534	75.32	3.77	1038	3680	104%
Vicuña Mackenna	53042	53041	482	51.04	9.44	3725	130.19	3.70	956	3869	104%
A. Vespucio	43742	43752	390	56.16	6.94	2020	132.04	2.95	684	2081	103%
Santa Raquel	43901	43821	805	80.50	10.00	810	294.51	2.73	480	834	103%
Vicuña Mackenna	53041	43963	369	27.67	13.34	3725	74.76	4.94	988	3820	103%
Punta Arenas	43797	43796	210	24.39	8.61	756	98.20	2.14	0	770	102%
Vicuña Mackenna	43972	43971	78	5.85	13.33	4529	22.09	3.53	1050	4585	101%
Vicuña Mackenna	43881	44804	78	5.62	13.88	3534	20.11	3.88	1038	3572	101%
Vicuña Mackenna	52191	52192	133	9.98	13.33	6060	27.87	4.77	997	6122	101%
Camino La Florida	53351	53353	487	60.46	8.05	1856	121.23	4.02	665	1873	101%
Camino La Florida	53271	53282	340	22.25	15.28	3960	45.07	7.54	791	3975	100%
Walker Martínez	53371	53271	356	42.72	8.33	925	142.51	2.50	388	927	100%
Vicuña Mackenna	43973	43972	276	20.70	13.33	4529	39.75	6.94	1050	4534	100%
Punta Arenas	43622	43741	872	101.26	8.61	756	338.17	2.58	0	757	100%
Av. México	53352	53371	676	54.08	12.50	1800	178.85	3.78	0	1797	100%
El Hualle	53960	53672	540	52.54	10.28	1080	172.85	3.12	96	1077	100%
Vicuña Mackenna	43961	43974	168	12.60	13.33	4529	23.33	7.20	1050	4506	99%
Sótero del Río	43842	43741	575	53.08	10.83	1215	168.59	3.41	54	1201	99%
Camino La Florida	53282	53281	806	54.75	14.72	3430	99.38	8.11	746	3377	98%
Santa Raquel	43831	43842	380	45.60	8.33	1620	142.19	2.67	439	1594	98%
Manutara	43867	43866	468	37.44	12.50	1620	115.57	4.05	0	1591	98%
Manutara	43865	43864	377	30.16	12.50	1620	91.43	4.12	0	1583	98%
Vicuña Mackenna	44804	43802	168	12.10	13.88	3534	21.49	7.82	1038	3439	97%
Vicuña Mackenna	43971	43886	132	9.50	13.89	4039	16.80	7.86	1038	3921	97%
A. Vespucio	43861	43860	156	11.01	14.17	3029	19.39	8.05	831	2935	97%
Vicuña Mackenna	52181	52191	390	28.08	13.89	6060	49.15	7.93	1102	5850	97%
Gerónimo de Alderete	53261	53073	270	31.35	8.61	1620	89.39	3.02	60	1559	96%
Bacteriológico	52292	53201	300	38.57	7.78	1620	106.64	2.81	0	1547	95%
Vicuña Mackenna	43885	43884	150	10.80	13.89	4039	18.45	8.13	1038	3846	95%
Ecuador	53264	53263	442	35.36	12.50	1170	96.39	4.59	0	1113	95%
Av. Perú	53131	53139	295	23.60	12.50	1500	62.43	4.73	45	1415	94%
Vicuña Mackenna	43974	43973	48	3.60	13.33	4529	6.05	7.93	1050	4270	94%
Alonso de Ercilla	53172	53171	408	47.38	8.61	756	124.96	3.27	18	713	94%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Martín de Elvira	53072	53071	420	48.77	8.61	3240	127.57	3.29	0	3048	94%
Lía Aguirre	43772	43771	258	25.10	10.28	1928	70.43	3.66	146	1808	94%
Vicuña Mackenna	43884	43883	192	13.82	13.89	4039	22.92	8.38	1038	3780	94%
Vicuña Mackenna	43883	43882	42	3.02	13.91	4039	5.01	8.38	1038	3779	94%
Brasil	53151	53161	290	31.64	9.17	650	81.00	3.58	38	608	94%
Camino La Florida	53431	53342	475	63.33	7.50	2119	103.88	4.57	667	1970	93%
Camino La Florida	53342	53341	475	63.33	7.50	2119	103.73	4.58	667	1968	93%
El Hualle	53743	53960	740	70.11	10.55	1080	173.23	4.27	0	1000	93%
Santa Cecilia	52392	53302	275	36.67	7.50	1620	90.49	3.04	73	1500	93%
Santa Raquel	43842	43841	405	47.03	8.61	1620	115.27	3.51	385	1497	92%
Lo Cañas	53672	53763	100	18.00	5.56	1080	43.82	2.28	96	996	92%
Av. México	53356	53355	442	43.01	10.28	1170	102.29	4.32	0	1072	92%
Lía Aguirre	43775	43774	168	16.35	10.28	1928	43.21	3.89	146	1762	91%
Froilan Roa	53081	53084	384	55.30	6.94	3024	128.77	2.98	118	2754	91%
Sótero del Río	43866	43842	624	56.16	11.11	1215	130.67	4.78	0	1106	91%
Estados Unidos	43988	43987	468	37.44	12.50	1170	84.74	5.52	0	1057	90%
Av. México	53357	53356	442	45.46	9.72	1620	101.04	4.37	0	1455	90%
Rolando Froden	53081	53085	366	42.50	8.61	2160	89.05	4.11	118	1905	88%
Alonso de Ercilla	53261	53172	432	50.17	8.61	756	104.51	4.13	18	665	88%
Venezuela	53242	53243	433	44.54	9.72	1080	92.57	4.68	25	950	88%
Vicuña Mackenna	43961	43963	481	45.57	10.56	2020	68.66	7.01	1024	1776	88%
Gerónimo de Alderete	53161	53073	80	9.29	8.61	810	18.85	4.24	60	707	87%
Santa Cecilia	52381	52391	405	47.03	8.61	1620	94.89	4.27	27	1411	87%
Cleopatra	42882	43801	570	54.00	10.56	1170	107.81	5.29	54	1016	87%
Camino La Florida	52691	52692	355	34.54	10.28	3960	50.95	6.97	626	3429	87%
Santa Julia	43986	43963	273	31.70	8.61	810	62.42	4.37	0	700	86%
A. Vespucio	53082	54002	386	34.74	11.11	4851	51.08	7.56	605	4190	86%
Punta Arenas	43762	43771	388	45.06	8.61	756	88.33	4.39	165	652	86%
Av. Perú	53141	53144	468	52.65	8.89	810	103.02	4.54	0	698	86%
Av. Perú	53145	53146	494	49.40	10.00	1080	96.31	5.13	0	930	86%
Colombia	53231	53241	455	51.19	8.89	1620	99.78	4.56	47	1395	86%
María Elena	42982	42983	435	43.50	10.00	1080	100.52	4.33	257	929	86%
Colombia	53241	53142	455	51.19	8.89	1620	99.23	4.59	27	1392	86%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Punta Arenas	43761	43762	252	34.89	7.22	1350	80.45	3.13	50	1160	86%
Vicuña Mackenna	43963	53041	369	34.96	10.55	2020	50.84	7.26	1024	1731	86%
Alonso de Ercilla	53263	53262	390	31.20	12.50	1800	59.65	6.54	0	1539	86%
Santa Raquel	42991	43901	545	59.45	9.17	810	111.50	4.89	296	688	85%
Santa Julia	53151	53075	117	13.59	8.61	810	25.39	4.61	20	687	85%
Av. Tobaraba	53671	53683	475	46.22	10.28	1980	66.00	7.20	0	1672	84%
Santa Raquel	43841	43851	340	34.97	9.72	2340	64.11	5.30	367	1971	84%
Brasil	53140	53143	470	47.00	10.00	1080	84.26	5.58	0	902	84%
Punta Arenas	43601	43622	800	92.90	8.61	756	164.46	4.86	53	629	83%
Estados Unidos	43987	43986	364	29.12	12.50	1080	51.53	7.06	0	898	83%
Santa Cecilia	53302	53311	355	44.07	8.06	1620	77.67	4.57	35	1345	83%
Concepción	43983	43982	438	49.28	8.89	810	86.32	5.07	0	671	83%
Santa Julia	53251	53262	179	20.79	8.61	756	36.18	4.95	20	625	83%
Vicuña Mackenna	53111	53103	360	46.29	7.78	2525	63.99	5.63	1038	2076	82%
Santa Cecilia	52391	52392	365	29.20	12.50	1800	50.07	7.29	73	1478	82%
Vicuña Mackenna	43882	43881	144	10.37	13.89	4039	14.26	10.10	1038	3306	82%
Av. Perú	53221	53131	420	48.77	8.61	1215	81.55	5.15	72	988	81%
Brasil	53143	53151	373	38.37	9.72	1170	64.13	5.82	18	951	81%
Lía Aguirre	43773	43772	402	39.11	10.28	1928	80.25	5.01	146	1562	81%
Vicuña Mackenna	52192	52193	268	18.92	14.16	6060	25.68	10.44	997	4903	81%
Av. México	53355	53354	416	33.28	12.50	1800	54.09	7.69	0	1446	80%
Departamental	541011	54201	890	86.59	10.28	1980	115.81	7.69	147	1580	80%
Martín de Elvira	53142	53075	377	45.24	8.33	1620	71.55	5.27	0	1285	79%
Las Acacias	43864	43863	429	44.13	9.72	2160	69.05	6.21	0	1706	79%
Camino La Florida	52692	53501	376	36.58	10.28	3960	48.28	7.79	626	3121	79%
Departamental	54003	44901	767	53.10	14.44	1918	69.99	10.96	196	1509	79%
A. Vespucio	43860	43870	450	31.76	14.17	3029	41.80	10.77	831	2380	79%
Palena	53581	53683	635	73.74	8.61	756	112.14	5.66	0	589	78%
Vicuña Mackenna	52191	52181	390	46.80	8.33	2525	61.04	6.39	1138	1966	78%
Bacteriológico	53201	53211	405	47.03	8.61	1620	71.45	5.67	47	1261	78%
Alonso de Ercilla	53262	53261	210	16.80	12.50	2160	25.28	8.31	0	1674	78%
Vicuña Mackenna	53032	53042	448	32.26	13.89	7550	41.83	10.71	916	5844	77%
Alonso de Ercilla	53085	53083	492	39.36	12.50	3600	58.31	8.44	0	2768	77%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Camino La Florida	53421	53431	462	44.95	10.28	4155	57.64	8.02	635	3179	76%
Vicuña Mackenna	43973	43974	48	3.60	13.33	3029	4.61	10.41	1086	2316	76%
A. Vespucio	43971	43874	212	14.40	14.72	2020	18.44	11.50	697	1543	76%
Santa Julia	43963	43864	507	58.88	8.61	810	85.76	5.91	0	617	76%
Diego Portales	52381	52691	1565	102.44	15.28	1800	186.46	8.39	542	1364	76%
San José de la Estrella	43801	43601	850	78.46	10.83	2160	112.53	7.55	57	1633	76%
A. Vespucio	53084	53082	414	37.26	11.11	4851	47.01	8.81	605	3644	75%
Av. Perú	53144	53145	377	45.24	8.33	810	63.70	5.92	0	606	75%
Froilan Roa	44904	44903	102	13.11	7.78	3240	18.43	5.53	185	2421	75%
Colombia	53222	53231	455	51.19	8.89	1620	71.06	6.40	0	1202	74%
Santa Julia	53262	53075	234	27.17	8.61	810	37.48	6.24	20	599	74%
Santa Julia	43864	43851	351	40.76	8.61	1170	55.93	6.28	0	862	74%
Santa Julia	53351	53354	338	39.25	8.61	1080	53.65	6.30	62	794	73%
Walker Martínez	43982	43873	138	13.80	10.00	2020	17.04	8.10	92	1479	73%
Gerónimo de Alderete	43861	43763	472	45.92	10.28	2520	108.65	4.34	37	1845	73%
Bacteriológico	52291	52292	355	38.73	9.17	2160	52.31	6.79	0	1575	73%
Av. Tobalaba	53763	53671	350	34.05	10.28	1386	41.45	8.44	96	996	72%
Martín de Elvira	53075	53073	520	56.73	9.17	3240	74.78	6.95	0	2325	72%
Santa Raquel	43851	43861	428	49.70	8.61	1620	65.38	6.55	183	1161	72%
Mirador Azul	44802	43791	414	48.08	8.61	1620	62.98	6.57	0	1157	71%
Alonso de Ercilla	53083	53082	246	19.68	12.50	3600	25.65	9.59	0	2563	71%
Vicuña Mackenna	43974	43961	168	12.60	13.33	3029	15.17	11.07	1086	2145	71%
Fraternidad	42981	42982	425	43.71	9.72	840	56.34	7.54	46	593	71%
Santa Raquel	42983	42991	390	46.80	8.33	1215	60.28	6.47	257	858	71%
Vicuña Mackenna	53032	53121	444	49.95	8.89	2525	59.87	7.42	952	1776	70%
Barcelona	43800	43802	120	24.00	5.00	810	30.73	3.90	0	569	70%
Froilan Roa	44902	44901	276	35.49	7.78	3240	45.43	6.08	185	2276	70%
Vicuña Mackenna	43971	43972	78	5.85	13.33	3029	7.00	11.14	1086	2127	70%
Diag. Santa Irene	53471	53581	620	72.00	8.61	756	91.83	6.75	0	530	70%
Av. México	53358	53357	507	50.70	10.00	1080	64.44	7.87	0	755	70%
Av. México	53354	53352	520	41.60	12.50	2700	52.63	9.88	0	1879	70%
Brasil	53139	53140	180	22.34	8.06	1170	28.21	6.38	0	813	70%
Walker Martínez	53171	53071	375	35.53	10.55	1928	56.34	6.66	92	1334	69%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Walker Martínez	53171	53371	354	42.48	8.33	925	66.94	5.29	410	637	69%
Vicente Valdés	53072	43983	474	31.03	15.28	1800	67.24	7.05	0	1237	69%
Trinidad	43622	43821	670	58.83	11.39	1080	92.37	7.25	256	742	69%
Gerónimo de Alderete	43984	43961	270	36.00	7.50	1620	44.71	6.04	62	1111	69%
Vicuña Mackenna	43972	43973	276	20.70	13.33	3029	24.39	11.32	1086	2076	69%
A. Vespucio	43861	43752	371	53.42	6.94	2020	62.83	5.90	784	1381	68%
Punta Arenas	43741	43751	854	87.84	9.72	1512	108.06	7.90	0	1028	68%
Vicuña Mackenna	53103	53111	360	25.92	13.89	6060	30.33	11.87	993	4108	68%
Lía Aguirre	43774	43773	108	10.51	10.28	1928	16.06	6.72	146	1297	67%
Santa Amalia	53231	53131	240	34.56	6.94	1620	41.79	5.74	0	1084	67%
General Arriagada	43900	42991	897	87.28	10.28	1215	104.72	8.57	15	807	66%
Luis Calvo Mackenna	43788	43785	240	30.86	7.78	1080	63.28	3.79	0	712	66%
Walker Martínez	43873	43971	144	14.40	10.00	2020	16.56	8.70	92	1330	66%
General Arriagada	52193	43900	508	40.64	12.50	2700	47.92	10.60	15	1761	65%
Vicuña Mackenna	53121	53032	442	31.82	13.89	7550	36.27	12.19	916	4886	65%
Santa Julia	53151	53145	117	13.59	8.61	810	15.77	7.42	0	519	64%
Froilan Roa	53084	44905	408	52.46	7.78	3240	60.79	6.71	185	2071	64%
Sótero del Río	53042	43866	516	48.88	10.56	1620	56.63	9.11	0	1035	64%
Diego Portales	52381	52181	900	73.64	12.22	1080	104.81	8.59	296	684	63%
Serafín Zamora	43790	43885	168	26.30	6.39	1080	51.15	3.28	0	682	63%
Serafín Zamora	43885	53084	450	45.00	10.00	1080	87.50	5.14	0	682	63%
Fresia	43763	43772	360	39.27	9.17	2160	44.88	8.02	0	1357	63%
Luis Calvo Mackenna	43860	43773	468	45.54	10.28	1080	87.67	5.34	0	676	63%
A. Vespucio	43870	43971	295	20.82	14.17	3029	23.23	12.70	831	1874	62%
Froilan Roa	44903	44902	240	30.86	7.78	3240	34.87	6.88	185	2003	62%
Gerónimo de Alderete	53146	43984	258	34.40	7.50	1800	38.82	6.65	62	1111	62%
Santa Raquel	43821	43831	450	50.63	8.89	1620	56.99	7.90	439	996	61%
San José de la Estrella	43601	43602	185	14.80	12.50	3600	16.63	11.12	79	2207	61%
Enrique Olivares	53356	53242	351	28.08	12.50	3600	31.20	11.25	0	2168	60%
Martín de Elvira	53073	53072	222	17.76	12.50	7200	19.73	11.25	0	4333	60%
Santa Julia	43851	43752	230	37.64	6.11	2776	50.39	4.56	183	1656	60%
Colombia	53071	53081	300	24.00	12.50	7200	26.44	11.35	118	4271	59%
Trinidad	53221	53121	520	49.26	10.56	2160	88.49	5.88	0	1274	59%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
San José de la Estrella	53201	53103	485	54.56	8.89	1620	59.90	8.10	63	955	59%
Vicente Valdés	43983	43973	264	32.77	8.06	1080	58.12	4.54	0	630	58%
Diagonal Los Castaños	53391	54201	435	50.52	8.61	756	54.95	7.92	83	438	58%
A. Vespucio	54002	53082	386	34.74	11.11	2525	37.76	10.22	790	1459	58%
Vicuña Mackenna	43785	43790	168	12.10	13.88	3534	13.15	12.78	1070	2042	58%
Enrique Olivares	53241	53140	127	16.33	7.78	1620	17.75	7.15	45	936	58%
Vicuña Mackenna	43782	43809	120	8.64	13.89	3534	9.38	12.79	1070	2033	58%
Vicuña Mackenna	43809	43785	198	14.26	13.88	3534	15.48	12.79	1070	2033	58%
Vicuña Mackenna	43804	43806	66	4.75	13.89	3534	5.14	12.84	1070	2019	57%
A. Vespucio	43741	43742	425	31.22	13.61	3960	33.81	12.57	684	2263	57%
Rolando Froden	53282	53085	629	68.62	9.17	2160	74.09	8.49	118	1231	57%
Santa Raquel	43821	43901	800	80.00	10.00	810	86.27	9.27	338	460	57%
Rojas Magallanes	53041	43865	525	49.74	10.55	1080	85.55	6.14	18	612	57%
San Jorge	52192	52291	480	38.40	12.50	2700	41.33	11.61	0	1527	57%
Vicuña Mackenna	43875	43971	101	7.27	13.89	3534	7.84	12.88	1070	1995	56%
Fresia	43772	43784	240	19.20	12.50	1800	20.57	11.67	0	1007	56%
Gerónimo de Alderete	43763	43762	234	22.77	10.28	2160	38.64	6.06	37	1208	56%
Vicuña Mackenna	43794	43799	348	25.06	13.89	3534	26.89	12.94	1070	1959	55%
Punta Arenas	43751	43761	295	34.26	8.61	756	36.45	8.09	10	415	55%
Las Acacias	43863	43862	156	12.48	12.50	3600	13.25	11.77	0	1966	55%
Santa Cecilia	52371	52381	228	18.24	12.50	3600	19.35	11.78	131	1962	54%
Departamental	54001	54002	151	11.82	12.77	3703	12.62	11.97	1293	2015	54%
Vicuña Mackenna	43806	43782	66	4.75	13.89	3534	5.06	13.04	1070	1915	54%
Camino La Florida	53282	53271	340	53.22	6.39	2121	56.66	6.00	762	1142	54%
Fresia	43784	43781	282	32.75	8.61	1080	34.56	8.16	0	579	54%
Vicuña Mackenna	43799	43804	180	12.96	13.89	3534	13.75	13.09	1070	1878	53%
Nueva Uno	44915	54003	270	31.35	8.61	2160	32.94	8.20	0	1142	53%
Vicuña Mackenna	43790	43875	168	12.10	13.88	3534	12.82	13.10	1070	1866	53%
Serafín Zamora	53083	53281	504	32.99	15.28	1800	52.84	9.54	0	949	53%
Punta Arenas	43780	43797	258	29.96	8.61	756	31.43	8.21	0	397	53%
Bahía Catalina	42682	42691	420	27.49	15.28	2700	33.29	12.62	246	1418	53%
Lía Aguirre	43971	43775	122	11.87	10.28	1928	14.27	8.55	146	1001	52%
Trinidad	43821	43622	670	58.83	11.39	1080	70.49	9.50	256	558	52%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
A. Vespucio	53082	53084	414	37.26	11.11	2525	39.26	10.55	790	1301	52%
Rojas Magallanes	43865	43841	455	44.27	10.28	1620	68.80	6.61	18	827	51%
Rojas Magallanes	53243	53263	138	9.03	15.28	1800	13.97	9.88	5	914	51%
El Parque	53082	44916	228	14.92	15.28	3600	22.99	9.92	0	1819	51%
Las Acacias	43871	43870	96	23.04	4.17	1620	23.90	4.02	0	813	50%
A. Vespucio	53084	43980	258	25.10	10.28	3029	26.27	9.82	815	1509	50%
Venezuela	53243	53251	380	38.00	10.00	1170	39.35	9.66	0	583	50%
Rodrigo Velasco	43871	43972	192	15.36	12.50	1800	15.90	12.08	0	895	50%
Av. Perú	53139	53141	210	31.50	6.67	1215	32.59	6.44	45	602	50%
Enrique Olivares	53342	53356	338	27.04	12.50	3600	27.96	12.09	0	1781	49%
A. Vespucio	43874	43971	212	20.63	10.28	3029	21.53	9.85	815	1483	49%
A. Vespucio	43980	43874	270	26.27	10.28	3029	27.41	9.85	815	1483	49%
A. Vespucio	43860	43861	156	8.64	18.06	4625	12.86	12.13	816	2243	48%
Cabildo	43785	43786	90	7.20	12.50	1800	7.42	12.13	0	873	48%
Punta Arenas	43622	43601	800	92.90	8.61	756	95.71	8.36	53	366	48%
Don Pepe	43974	43862	228	28.30	8.06	1080	29.15	7.82	0	523	48%
Pudeto	43786	43810	168	23.26	7.22	1080	23.95	7.01	0	521	48%
Las Acacias	43862	43871	282	22.56	12.50	3600	23.14	12.19	0	1700	47%
A. Vespucio	43742	43741	425	31.22	13.61	3960	32.38	13.13	669	1868	47%
Diego Portales	52181	52381	900	58.91	15.28	1800	67.23	13.39	283	848	47%
La Parroquia	43972	43975	174	13.92	12.50	1800	14.26	12.20	0	844	47%
La Parroquia	43975	43873	108	8.64	12.50	1800	8.85	12.20	0	844	47%
San Jorge	52692	52391	1415	127.35	11.11	1215	130.42	10.85	27	567	47%
Santa Raquel	43901	42991	550	58.24	9.44	810	59.65	9.22	296	378	47%
Rojas Magallanes	43987	53041	260	32.28	8.05	1080	46.40	5.60	50	501	46%
Nueva Uno	44916	44915	234	18.72	12.50	3600	19.15	12.22	0	1668	46%
Rojas Magallanes	53355	53341	338	22.12	15.28	1800	25.03	13.50	64	832	46%
Santa Julia	53354	53251	350	40.65	8.61	756	41.55	8.42	62	348	46%
Trinidad	53358	53222	598	53.82	11.11	2160	60.71	9.85	0	991	46%
Diagonal Los Castaños	54201	53391	440	51.10	8.61	756	52.14	8.44	83	343	45%
Santa Julia	53075	53151	117	13.59	8.61	756	13.84	8.45	20	338	45%
Enrique Olivares	53264	53241	247	30.66	8.06	1620	31.22	7.91	25	723	45%
Pudeto	43810	43807	192	23.04	8.33	1170	23.46	8.18	0	522	45%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Filomena Soto	43873	43874	132	10.56	12.50	1800	10.75	12.28	0	797	44%
Walker Martínez	53371	53171	354	34.44	10.28	1928	38.25	9.25	92	850	44%
Manutara	43868	43867	429	34.32	12.50	3600	34.90	12.29	0	1585	44%
Desnivel W. Martínez	53371	53471	1231	130.34	9.44	1946	179.40	6.86	21	851	44%
Av. México	53354	53355	416	41.60	10.00	1170	42.26	9.84	0	509	44%
Santa Julia	43752	43761	480	57.60	8.33	3374	63.60	7.55	60	1464	43%
María Elena	42781	42881	475	53.44	8.89	810	54.27	8.75	95	351	43%
Departamental	44801	44901	290	41.76	6.94	737	42.83	6.77	274	318	43%
Pudeto	43805	43800	96	15.71	6.11	1170	15.94	6.02	0	504	43%
General Arriagada	42991	42882	328	26.24	12.50	2700	26.62	12.32	136	1156	43%
Camino La Florida	53351	53341	344	65.18	5.28	2119	66.78	5.15	663	906	43%
Serafín Zamora	43789	43790	114	22.80	5.00	1080	30.88	3.69	0	461	43%
Vicuña Mackenna	52193	52192	270	19.06	14.17	4950	19.51	13.84	1033	2095	42%
Vicuña Mackenna	52181	52271	500	36.00	13.89	5940	36.83	13.58	1142	2501	42%
Don Pepe	43862	43860	360	28.80	12.50	1800	29.17	12.34	0	757	42%
Lía Aguirre	43775	43971	122	13.73	8.89	925	14.94	8.17	146	383	41%
Enrique Olivares	53140	53141	127	16.33	7.78	1620	16.52	7.69	45	670	41%
Vicuña Mackenna	53042	53032	460	33.12	13.89	4950	33.82	13.60	952	2043	41%
Vicuña Mackenna	52192	52191	130	9.00	14.44	4950	9.19	14.15	1033	2033	41%
Camino La Florida	53341	53351	344	33.47	10.28	3960	34.15	10.07	692	1620	41%
Enrique Olivares	53242	53264	118	9.44	12.50	3600	9.54	12.37	25	1472	41%
Rojas Magallanes	53243	53355	355	23.24	15.28	1800	25.11	14.14	64	729	40%
Vicuña Mackenna	52194	52193	61	4.48	13.62	4950	4.57	13.35	1018	2001	40%
María Elena	42983	42982	430	28.15	15.28	1800	30.38	14.15	257	725	40%
Diego Portales	52691	52381	1570	102.76	15.28	1800	110.87	14.16	412	724	40%
Vicuña Mackenna	53103	52194	364	26.74	13.61	4950	27.24	13.36	1018	1985	40%
Walker Martínez	43873	43982	138	10.57	13.06	2970	10.77	12.81	210	1187	40%
Mirador Azul	44913	44902	198	30.99	6.39	1620	31.28	6.33	0	647	40%
Walker Martínez	43982	53070	360	27.57	13.06	2970	28.07	12.83	210	1184	40%
A. Vespucio	43752	43742	390	28.08	13.89	3960	28.56	13.66	669	1557	39%
Diag. Santa Irene	53581	53471	615	71.42	8.61	756	72.01	8.54	0	295	39%
Santa Amalia	53033	53032	208	31.20	6.67	1620	31.45	6.61	0	627	39%
Departamental	54201	541011	885	86.11	10.28	1386	87.46	10.12	93	533	38%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Departamental	54003	54001	208	14.13	14.72	1343	14.35	14.49	422	515	38%
Vicuña Mackenna	53121	53111	335	24.12	13.89	4950	24.49	13.68	1038	1895	38%
San José de la Estrella	53302	53201	405	47.03	8.61	1620	47.37	8.55	71	619	38%
Mirador Azul	43794	43791	220	37.71	5.83	1512	37.97	5.79	0	573	38%
Camino La Florida	53353	53351	487	60.46	8.05	1768	61.35	7.94	622	670	38%
Gerónimo de Alderete	43863	43861	411	54.80	7.50	1620	55.17	7.45	0	611	38%
Oscar Boehme	53070	53080	276	22.08	12.50	1800	22.22	12.42	0	676	38%
Calle Uno	53080	53081	180	14.40	12.50	1800	14.49	12.42	0	676	38%
Gerónimo de Alderete	43961	43863	294	39.20	7.50	2340	39.44	7.45	0	871	37%
Rojas Magallanes	53355	53243	355	23.24	15.28	1800	24.60	14.43	29	669	37%
Camino La Florida	53271	53353	715	88.76	8.06	1768	89.93	7.95	622	652	37%
Fraternidad	42982	42981	425	42.50	10.00	910	42.75	9.94	46	335	37%
Trinidad	53421	53358	425	27.82	15.28	3600	29.40	14.46	0	1325	37%
Las Acacias	43870	43775	102	8.16	12.50	3600	8.21	12.42	0	1319	37%
Rojas Magallanes	53263	53243	138	9.03	15.28	1800	11.18	12.34	5	655	36%
Walker Martínez	53070	43982	360	36.00	10.00	2020	36.44	9.88	92	733	36%
Departamental	44901	54003	767	52.10	14.72	1343	52.74	14.54	422	487	36%
Walker Martínez	53471	53671	1150	111.89	10.28	1850	138.24	8.32	140	670	36%
Filomena Soto	43875	43886	120	24.00	5.00	810	24.12	4.98	0	292	36%
Vicuña Mackenna	43703	43705	120	8.47	14.17	5940	8.57	14.00	1070	2130	36%
Vicuña Mackenna	43792	43703	108	7.62	14.17	5940	7.71	14.01	1070	2130	36%
Santa Amalia	53357	53231	533	58.15	9.17	1620	58.43	9.12	27	579	36%
Camino La Florida	53511	53501	455	44.27	10.28	3960	44.78	10.16	598	1413	36%
Vicuña Mackenna	53041	53042	440	31.68	13.89	4950	32.03	13.74	992	1752	35%
Rupanco	43784	43785	408	41.97	9.72	1080	51.24	7.96	0	381	35%
Walker Martínez	53071	53070	138	13.80	10.00	2020	13.95	9.89	92	713	35%
Santa Amalia	53431	53357	462	36.96	12.50	3600	37.12	12.45	27	1268	35%
A. Vespucio	43752	43861	371	27.26	13.61	6930	27.53	13.48	818	2396	35%
Vicuña Mackenna	43705	43795	24	1.69	14.20	5940	1.71	14.04	1070	2047	34%
Vicuña Mackenna	43709	43794	119	8.40	14.17	5940	8.48	14.03	1070	2047	34%
Vicuña Mackenna	43795	43709	24	1.69	14.20	5940	1.71	14.04	1070	2047	34%
Rojas Magallanes	43841	43742	405	50.28	8.05	1350	52.44	7.72	0	461	34%
Luis Calvo Mackenna	43773	43788	108	7.07	15.28	1800	8.48	12.74	0	610	34%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Lía Aguirre	43771	43772	258	29.02	8.89	925	30.21	8.54	146	312	34%
Walker Martínez	43971	43873	144	11.03	13.06	2970	11.13	12.94	210	1000	34%
Camino La Florida	53421	53511	365	35.51	10.28	3960	35.83	10.19	607	1331	34%
Camino La Florida	52692	52691	355	34.54	10.28	3960	34.84	10.19	598	1325	33%
Fresia	43781	43798	264	30.66	8.61	1080	30.75	8.59	0	358	33%
Santa Julia	53075	53262	234	27.17	8.61	756	27.25	8.59	20	249	33%
Santa Amalia	43867	43831	795	79.50	10.00	1620	79.73	9.97	0	532	33%
Vicuña Mackenna	43701	43792	231	16.63	13.89	5940	16.76	13.78	1070	1940	33%
Vicuña Mackenna	44601	43701	114	8.21	13.89	5940	8.27	13.78	1070	1939	33%
Trinidad	53222	53221	351	38.29	9.17	3240	39.68	8.85	0	1057	33%
Santa Cecilia	52392	52391	365	43.80	8.33	810	43.92	8.31	73	263	32%
Enrique Olivares	43988	53141	253	31.41	8.05	1620	31.49	8.03	40	525	32%
Camino La Florida	53501	52692	376	36.58	10.28	3960	36.85	10.20	598	1273	32%
Froilan Roa	44905	44904	222	28.54	7.78	7200	28.61	7.76	185	2289	32%
Rojas Magallanes	53263	53142	247	30.66	8.06	1080	35.86	6.89	5	343	32%
Rojas Magallanes	53341	53355	338	22.12	15.28	1800	22.84	14.80	29	571	32%
María Elena	42881	42983	340	42.21	8.05	810	42.31	8.04	0	256	32%
Garcíaa Lorca	43774	43789	108	8.64	12.50	1800	8.66	12.47	0	561	31%
Trinidad	43868	53121	535	49.38	10.83	2160	50.89	10.51	232	673	31%
Rojas Magallanes	53143	53142	124	23.49	5.28	1080	27.24	4.55	5	335	31%
Punta Arenas	43793	43792	288	33.45	8.61	756	33.52	8.59	30	233	31%
Mirador Azul	43794	43796	240	19.20	12.50	1800	19.24	12.47	0	553	31%
Santa Julia	43761	43752	480	61.71	7.78	925	63.50	7.56	60	284	31%
Rojas Magallanes	53142	53263	247	16.17	15.28	1800	18.68	13.22	5	552	31%
A. Vespucio	43870	43860	450	24.92	18.06	4625	28.74	15.66	816	1412	31%
A. Vespucio	43971	43870	295	16.34	18.05	4625	18.85	15.65	816	1412	31%
Mirador Azul	44914	44913	270	21.60	12.50	1800	21.64	12.48	0	548	30%
Mirador Azul	44915	44914	210	16.80	12.50	1800	16.83	12.48	0	548	30%
General Arriagada	42882	42682	600	58.38	10.28	1620	58.49	10.26	202	492	30%
Guacolda	42981	52181	965	91.42	10.56	810	91.58	10.54	33	244	30%
Camino La Florida	53341	53342	475	46.22	10.28	3960	46.48	10.22	638	1190	30%
Enrique Olivares	53042	43988	260	20.80	12.50	3600	20.83	12.48	40	1072	30%
Nueva Exequiel Fernández	44803	44802	270	31.35	8.61	2160	31.40	8.60	0	639	30%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Mirador Azul	44802	44902	126	25.20	5.00	1620	25.24	4.99	0	479	30%
Bahía Cata	43602	42691	183	14.64	12.50	2700	14.66	12.48	255	792	29%
Santa Raquel	43841	43842	385	46.20	8.33	1620	46.26	8.32	252	470	29%
Santa Raquel	43851	43841	342	42.46	8.05	1620	42.52	8.04	233	467	29%
Santa Raquel	43831	43821	455	51.19	8.89	1620	51.26	8.88	306	466	29%
Santa Raquel	43842	43831	400	46.45	8.61	1620	46.51	8.60	306	464	29%
Bahía Catalina	42691	42682	433	28.34	15.28	2700	28.97	14.95	246	772	29%
Departamental	54201	54601	1693	164.72	10.28	1980	165.44	10.23	0	562	28%
Bellavista	43787	43811	198	25.46	7.78	1080	25.49	7.77	0	306	28%
Pudeto	43807	43805	192	15.36	12.50	1800	15.38	12.48	0	504	28%
Punta Arenas	43771	43762	375	51.92	7.22	756	51.98	7.21	165	211	28%
Lía Aguirre	43772	43773	402	45.22	8.89	925	46.14	8.71	146	258	28%
Las Higueras	53691	53391	1750	190.91	9.17	1134	191.12	9.16	83	316	28%
Mirador Azul	43791	43794	225	32.40	6.94	1512	32.43	6.94	0	413	27%
Camino La Florida	541011	53281	494	33.55	14.72	4200	33.67	14.67	717	1143	27%
Gerónimo de Alderete	53352	53353	390	45.29	8.61	1620	45.33	8.60	0	436	27%
Lía Aguirre	43773	43774	108	12.15	8.89	925	12.36	8.74	146	247	27%
Lía Aguirre	43774	43775	168	18.90	8.89	925	19.23	8.74	146	247	27%
Camino La Florida	53342	53431	475	46.22	10.28	3960	46.38	10.24	638	1057	27%
Departamental	54001	54003	208	14.40	14.44	1918	14.45	14.39	196	510	27%
Serafin Zamora	53281	53083	504	32.99	15.28	1800	36.57	13.78	0	478	27%
San José de la Estrella	53103	43869	536	42.88	12.50	3600	42.91	12.49	62	949	26%
Rojas Magallanes	43987	53144	247	30.66	8.06	1080	33.90	7.29	50	284	26%
Walker Martínez	53471	53271	875	101.61	8.61	1249	112.25	7.80	118	327	26%
Bellavista	43811	43808	180	22.34	8.06	1170	22.36	8.05	0	306	26%
José Miguel Carrera	53211	53311	380	40.24	9.44	1620	40.87	9.30	64	420	26%
Camino La Florida	53431	53421	460	44.76	10.28	3960	44.89	10.25	607	1025	26%
Plaza Vespucio	43882	44905	366	38.75	9.45	2160	42.52	8.61	0	550	25%
María Elena	42982	52191	940	76.91	12.22	1080	78.02	12.05	192	274	25%
Perpetua Freire	53251	53261	530	61.55	8.61	756	61.59	8.61	42	191	25%
Punta Arenas	43741	43622	1027	119.26	8.61	756	119.33	8.61	0	189	25%
Las Perdices	53981	53891	876	108.74	8.06	756	108.80	8.05	61	188	25%
San Jorge	52391	52692	1418	124.51	11.39	1620	124.58	11.38	27	399	25%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Camino La Florida	53281	53282	806	54.75	14.72	4200	54.88	14.69	717	1035	25%
Enrique Olivares	53241	53264	247	30.66	8.06	1620	30.68	8.05	25	399	25%
Santa Raquel	43861	43851	420	42.00	10.00	1170	42.02	10.00	69	285	24%
Walker Martínez	53271	53371	356	34.64	10.28	1928	35.04	10.16	104	461	24%
Rojas Magallanes	53143	53144	123	23.31	5.28	1080	25.22	4.88	50	256	24%
Filomena Soto	43775	43875	90	7.20	12.50	1800	7.20	12.50	0	421	23%
San Jorge	52291	52391	450	50.63	8.89	1215	50.65	8.88	0	284	23%
Punta Arenas	43783	43780	258	29.96	8.61	756	29.97	8.61	0	176	23%
San José de la Estrella	43901	43801	370	29.60	12.50	3600	29.61	12.50	41	836	23%
San Jorge	52391	52291	453	36.24	12.50	2700	36.25	12.50	0	625	23%
General Arriagada	42682	42882	605	58.86	10.28	1620	58.88	10.28	202	373	23%
José Miguel Carrera	53359	53511	622	55.98	11.11	1620	56.51	11.01	80	367	23%
Bahía Catalina	42781	42682	473	30.96	15.28	2700	31.25	15.14	144	610	23%
Rojas Magallanes	43865	53041	525	49.74	10.55	1080	53.30	9.85	18	243	23%
Mirador Azul	44902	44802	126	10.08	12.50	3600	10.08	12.50	0	792	22%
Trinidad	43821	43868	936	76.58	12.22	2160	77.21	12.12	232	472	22%
Rojas Magallanes	53341	53741	1754	114.81	15.28	1800	115.65	15.17	5	381	21%
Santa Raquel	42991	42983	390	46.80	8.33	1620	46.81	8.33	257	342	21%
José Miguel Carrera	53359	53311	598	53.82	11.11	1620	54.21	11.03	72	342	21%
Bacteriológico	53221	53211	300	38.57	7.78	1215	38.58	7.78	72	256	21%
Santa Julia	53145	43986	234	27.17	8.61	756	27.18	8.61	0	159	21%
Gerónimo de Alderete	43762	43763	234	26.33	8.89	2520	27.91	8.38	37	528	21%
Sótero del Río	43842	43866	624	56.16	11.11	1215	56.17	11.11	0	252	21%
Filomena Soto	43874	43886	96	23.04	4.17	810	23.04	4.17	0	167	21%
José Miguel Carrera	53111	53211	412	42.38	9.72	1620	42.66	9.66	0	334	21%
Enrique Olivares	53141	43988	253	20.24	12.50	3600	20.24	12.50	40	739	21%
María Elena	42881	42781	680	64.42	10.56	1080	64.43	10.55	95	220	20%
San Jorge	52291	52192	460	51.75	8.89	1215	51.76	8.89	0	246	20%
Cabildo	43786	43787	60	4.80	12.50	1800	4.80	12.50	0	363	20%
San José de la Estrella	43901	43869	884	70.72	12.50	3600	70.73	12.50	53	724	20%
Sótero del Río	43741	43842	665	58.39	11.39	1215	58.40	11.39	54	244	20%
Av. México	53371	53352	676	54.08	12.50	1800	54.09	12.50	34	356	20%
Enrique Olivares	43988	53042	260	32.28	8.05	1620	32.28	8.05	40	320	20%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Av. México	53352	53354	520	41.60	12.50	2700	41.61	12.50	0	531	20%
María Elena	42983	42881	337	41.83	8.06	810	41.84	8.05	0	158	19%
Fresia	43784	43772	240	28.80	8.33	1080	28.80	8.33	0	210	19%
Bahía Catalina	42682	42781	475	31.09	15.28	2700	31.26	15.20	144	525	19%
Luis Calvo Mackenna	43788	43773	108	21.60	5.00	1080	22.67	4.76	0	210	19%
San José de la Estrella	43869	43901	884	70.72	12.50	3600	70.73	12.50	62	696	19%
María Elena	52191	42982	950	62.18	15.28	1800	62.49	15.20	192	345	19%
Rojas Magallanes	53144	43987	247	16.17	15.28	1800	16.94	14.58	50	344	19%
Av. Perú	53146	53145	494	53.89	9.17	1215	53.90	9.17	0	229	19%
El Hualle	53672	53960	540	52.54	10.28	1080	52.55	10.28	96	202	19%
José Miguel Carrera	53311	53211	370	39.18	9.44	1620	39.36	9.40	64	301	19%
Av. Perú	53139	53131	295	37.93	7.78	1215	37.93	7.78	92	223	18%
Sótero del Río	43866	53042	516	48.88	10.56	1620	48.88	10.56	0	294	18%
Rojas Magallanes	53142	53143	125	8.18	15.28	1800	8.51	14.69	32	321	18%
Serafín Zamora	53083	53084	516	48.88	10.56	1080	50.83	10.15	0	192	18%
El Hualle	53742	53743	100	15.65	6.39	1000	15.65	6.39	0	177	18%
Millaray	43798	43797	204	28.25	7.22	2160	29.34	6.95	0	380	18%
Walker Martínez	53070	53071	138	10.57	13.06	2970	10.58	13.04	210	519	17%
Santa Amalia	53131	53033	394	31.52	12.50	3600	31.52	12.50	0	627	17%
Trinidad	53121	43868	535	49.38	10.83	2160	49.55	10.80	223	375	17%
Rojas Magallanes	43742	43841	405	39.41	10.28	1928	39.54	10.24	0	332	17%
Gerónimo de Alderete	43984	53146	258	29.96	8.61	1800	29.96	8.61	62	308	17%
Punta Arenas	43771	43783	209	24.27	8.61	756	24.27	8.61	0	129	17%
Lo Cañas	53763	53672	100	18.00	5.56	1080	18.00	5.56	96	183	17%
Enrique Olivares	53140	53241	127	10.16	12.50	3600	10.16	12.50	25	609	17%
Av. Perú	53131	53221	430	49.94	8.61	1215	49.94	8.61	72	205	17%
Rojas Magallanes	43841	43865	455	44.27	10.28	1620	45.67	9.96	18	263	16%
Departamental	44601	44801	1060	112.24	9.44	1649	112.29	9.44	228	265	16%
Trinidad	43868	43821	936	76.58	12.22	2160	76.78	12.19	223	345	16%
Luis Calvo Mackenna	43773	43860	468	30.63	15.28	1800	31.51	14.85	0	281	16%
General Arriagada	42882	42991	320	41.14	7.78	1215	41.14	7.78	136	189	16%
Las Perdices	53891	53981	880	102.19	8.61	756	102.19	8.61	61	117	16%
Santa Julia	53354	53351	338	43.46	7.78	756	43.46	7.78	77	116	15%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Serafín Zamora	53084	43885	450	45.00	10.00	1080	46.22	9.74	0	165	15%
Santa Cecilia	53311	53302	355	44.07	8.06	1620	44.07	8.06	35	247	15%
El Parque	44903	44803	204	13.35	15.28	3600	13.71	14.88	0	546	15%
Enrique Olivares	53141	53140	127	10.16	12.50	3600	10.16	12.50	25	546	15%
Santa Amalia	43867	53032	520	56.73	9.17	1620	56.73	9.17	0	241	15%
San José de la Estrella	43602	43601	185	24.67	7.50	2160	24.67	7.50	79	317	15%
Rojas Magallanes	53144	53143	123	8.05	15.28	1800	8.24	14.93	23	261	14%
José Miguel Carrera	53211	53111	400	26.18	15.28	2700	26.23	15.25	0	390	14%
Rojas Magallanes	53741	53742	624	40.84	15.28	2700	40.90	15.26	0	377	14%
Cabildo	43786	43785	90	21.60	4.17	810	21.60	4.17	0	111	14%
Rojas Magallanes	53041	43987	260	17.02	15.28	1800	17.37	14.97	50	247	14%
Bahía Inglesa	52371	52572	655	87.33	7.50	756	87.33	7.50	103	103	14%
José Miguel Carrera	53311	53359	598	39.14	15.28	2700	39.20	15.26	80	367	14%
Ecuador	53263	53264	442	35.36	12.50	1800	35.36	12.50	0	242	13%
San Antonio	43789	43788	108	8.64	12.50	1800	8.64	12.50	0	242	13%
Av. Tobalaba	53671	53763	350	34.05	10.28	1386	34.06	10.28	96	183	13%
Serafín Zamora	43885	43790	168	26.30	6.39	1080	26.79	6.27	0	142	13%
San Pedro	52292	52392	445	45.77	9.72	1080	45.77	9.72	0	140	13%
José Miguel Carrera	53511	53359	622	40.71	15.28	2700	40.75	15.26	72	342	13%
Santa Amalia	53032	43867	520	52.00	10.00	2160	52.00	10.00	0	268	12%
Membrillar	44804	44904	312	35.10	8.89	1080	35.10	8.89	0	133	12%
San José de la Estrella	43801	43901	370	44.40	8.33	1620	44.40	8.33	41	196	12%
Paso El Roble	43808	43881	54	4.32	12.50	3600	4.32	12.50	0	428	12%
Luis Calvo Mackenna	43785	43788	240	15.71	15.28	1800	15.93	15.07	0	210	12%
Cleopatra	43801	42882	570	54.00	10.56	1170	54.00	10.56	54	136	12%
Mirador Azul	43796	43794	240	34.56	6.94	810	34.56	6.94	0	94	12%
Departamental	54601	54201	1695	164.92	10.28	1980	164.94	10.28	0	226	11%
Rolando Froden	53085	53282	629	70.76	8.89	2160	70.76	8.89	118	247	11%
Cleopatra	42881	42882	390	45.29	8.61	756	45.29	8.61	54	86	11%
Av. Central	53960	53961	680	78.97	8.61	756	78.97	8.61	27	86	11%
Departamental	53891	54601	1120	108.97	10.28	1980	108.98	10.28	97	224	11%
Walker Martínez	53071	53171	372	36.19	10.28	1928	36.21	10.27	92	216	11%
Alonso de Ercilla	53262	53263	390	31.20	12.50	1800	31.20	12.50	0	201	11%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
San José de la Estrella	43869	53103	536	42.88	12.50	3600	42.88	12.50	53	394	11%
Trinidad	53222	53358	598	39.14	15.28	3600	39.16	15.27	0	392	11%
Estados Unidos	43986	43987	364	29.12	12.50	1170	29.12	12.50	0	126	11%
General Arriagada	43900	52193	508	55.42	9.17	1215	55.42	9.17	15	131	11%
El Parque	43802	44803	150	12.00	12.50	3600	12.00	12.50	0	383	11%
Rupanco	43785	43784	408	43.20	9.44	1080	43.20	9.44	0	113	10%
Brasil	53140	53139	180	22.34	8.06	1170	22.34	8.06	0	122	10%
Serafín Zamora	53084	53083	516	33.77	15.28	1800	34.12	15.12	0	186	10%
Walker Martínez	53671	53471	1150	111.89	10.28	1850	113.03	10.17	140	191	10%
Atahualpa	43781	43780	240	28.80	8.33	2160	28.80	8.33	0	221	10%
Gerónimo de Alderete	53161	53146	327	37.97	8.61	1800	37.97	8.61	62	181	10%
Colombia	53222	53311	312	40.11	7.78	1620	40.11	7.78	0	162	10%
El Parque	44803	43802	150	24.55	6.11	2160	24.78	6.05	0	215	10%
Gerónimo de Alderete	53261	53352	481	55.86	8.61	2340	55.86	8.61	0	232	10%
Gerónimo de Alderete	53073	53161	80	9.29	8.61	1800	9.29	8.61	60	178	10%
Trinidad	53358	53421	425	42.50	10.00	2160	42.51	10.00	0	196	9%
San Pedro	52392	52292	440	35.20	12.50	1800	35.20	12.50	0	162	9%
Barcelona	43802	43800	120	7.85	15.29	1800	7.91	15.17	0	160	9%
Walker Martínez	53271	53471	875	85.14	10.28	2775	85.74	10.21	118	247	9%
El Parque	44916	44903	600	54.00	11.11	2160	54.38	11.03	0	191	9%
Santa Cecilia	52381	52371	215	17.20	12.50	3600	17.20	12.50	103	318	9%
Gerónimo de Alderete	43961	43984	270	31.35	8.61	3600	31.35	8.61	62	308	9%
Punta Arenas	43762	43761	252	25.20	10.00	1928	25.21	10.00	50	161	8%
Departamental	54601	53891	1120	108.97	10.28	1980	108.97	10.28	106	162	8%
Alonso de Ercilla	53082	53083	246	19.68	12.50	3600	19.68	12.50	0	288	8%
Don Pepe	43860	43862	360	39.27	9.17	1080	39.27	9.17	0	85	8%
Santa Amalia	53131	53231	237	34.13	6.94	1620	34.13	6.94	47	128	8%
Pudeto	43800	43805	96	7.68	12.50	1800	7.68	12.50	0	141	8%
Membrillar	43805	43804	144	11.52	12.50	1800	11.52	12.50	0	141	8%
San Antonio	43788	43789	108	8.64	12.50	1800	8.64	12.50	0	140	8%
Santa Cecilia	53302	52392	275	22.00	12.50	3600	22.00	12.50	73	279	8%
Enrique Olivares	53264	53242	118	9.44	12.50	3600	9.44	12.50	25	277	8%
Perpetua Freire	53261	53251	500	58.06	8.61	756	58.06	8.61	57	57	8%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Santa Julia	53251	53354	350	45.00	7.78	1080	45.00	7.78	77	81	8%
Av. Tobalaba	53691	53683	320	31.14	10.28	1980	31.14	10.28	13	149	8%
Las Higueras	53391	53691	1740	189.82	9.17	1134	189.82	9.17	83	83	7%
Av. Tobalaba	54601	53691	432	42.03	10.28	1980	42.03	10.28	13	144	7%
Palena	53683	53581	640	74.32	8.61	756	74.32	8.61	0	54	7%
Cleopatra	42882	42881	388	45.06	8.61	756	45.06	8.61	54	54	7%
Cabildo	43787	43884	60	19.64	3.05	810	19.64	3.05	0	57	7%
Cabildo	43787	43786	60	4.80	12.50	1800	4.80	12.50	0	123	7%
Cabildo	43884	43787	60	4.80	12.50	1800	4.80	12.50	0	123	7%
Fresia	43772	43763	360	28.80	12.50	3600	28.80	12.50	0	243	7%
Av. Perú	53141	53139	210	16.80	12.50	1500	16.80	12.50	92	101	7%
El Parque	44916	53082	228	18.24	12.50	3600	18.24	12.50	0	242	7%
Don Pepe	43862	43974	228	18.24	12.50	1800	18.24	12.50	0	118	7%
Rolando Froden	53085	53081	366	39.93	9.17	2160	39.93	9.17	118	136	6%
El Hualle	53960	53743	740	70.11	10.55	1080	70.11	10.55	0	68	6%
Brasil	53151	53143	371	39.28	9.45	1080	39.28	9.45	18	67	6%
Venezuela	53251	53243	380	40.24	9.44	1080	40.24	9.44	0	65	6%
Av. Tobalaba	53683	53671	475	46.22	10.28	1386	46.22	10.28	0	82	6%
Vicente Valdés	53072	53172	318	30.94	10.28	1170	31.02	10.25	0	69	6%
Brasil	53161	53151	290	31.64	9.17	650	31.64	9.17	38	38	6%
Rojas Magallanes	53741	53341	1747	114.35	15.28	1800	114.36	15.28	21	105	6%
Punta Arenas	43792	43793	290	33.68	8.61	756	33.68	8.61	30	44	6%
Mirador Azul	43791	44802	414	33.12	12.50	3600	33.12	12.50	0	208	6%
Desnivel W. Martínez	53471	53371	1230	130.24	9.44	1553	130.54	9.42	21	88	6%
El Parque	44903	44916	600	48.00	12.50	3600	48.00	12.50	0	202	6%
Fresia	43781	43784	282	22.56	12.50	1800	22.56	12.50	0	98	5%
Serafín Zamora	43790	43789	114	7.46	15.28	1800	7.47	15.26	0	96	5%
Garcíaa Lorca	43789	43774	108	8.64	12.50	1800	8.64	12.50	0	96	5%
Santa Julia	43752	43851	285	27.73	10.28	3856	27.73	10.28	165	202	5%
Estados Unidos	43987	43988	468	37.44	12.50	1800	37.44	12.50	0	91	5%
Punta Arenas	43751	43741	693	71.28	9.72	1512	71.28	9.72	0	76	5%
San José de la Estrella	53103	53201	505	55.09	9.17	1620	55.09	9.17	63	81	5%
Santa Amalia	53033	53131	394	47.28	8.33	1620	47.28	8.33	0	80	5%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
El Parque	44803	44903	204	31.93	6.39	1620	31.93	6.39	0	79	5%
San José de la Estrella	53201	53302	400	46.45	8.61	1620	46.45	8.61	71	78	5%
Mauro	43706	43708	150	12.00	12.50	1800	12.00	12.50	0	83	5%
Rupanco	43784	43783	282	32.75	8.61	1080	32.75	8.61	0	48	4%
Gerónimo de Alderete	53146	53161	327	37.97	8.61	1800	37.97	8.61	62	78	4%
Av. México	53355	53356	442	45.46	9.72	1080	45.46	9.72	0	43	4%
Santa Amalia	43831	43867	795	73.38	10.83	2160	73.38	10.83	0	84	4%
Av. Central	53961	53960	680	78.97	8.61	756	78.97	8.61	27	28	4%
Barcelona	43799	43800	126	10.08	12.50	1800	10.08	12.50	0	66	4%
Santa Cecilia	52391	52381	405	32.40	12.50	3600	32.40	12.50	27	129	4%
Av. Perú	53144	53141	468	52.65	8.89	810	52.65	8.89	27	29	4%
Vicente Valdés	43973	43983	264	17.28	15.28	1800	17.29	15.27	0	63	4%
Paso El Roble	43807	43808	78	6.24	12.50	3600	6.24	12.50	0	123	3%
Rodrigo Velasco	43972	43871	192	15.36	12.50	1800	15.36	12.50	0	60	3%
Bacteriológico	53211	53201	400	46.45	8.61	1620	46.45	8.61	47	53	3%
Plaza Vespucio	44905	43882	366	33.78	10.83	2340	33.80	10.83	0	77	3%
Enrique Olivares	53356	53342	338	36.87	9.17	1620	36.87	9.17	0	53	3%
Gerónimo de Alderete	53353	53352	390	45.29	8.61	2340	45.29	8.61	0	73	3%
Rojas Magallanes	53742	53741	624	40.84	15.28	2700	40.84	15.28	0	85	3%
San José de la Estrella	43601	43801	850	68.00	12.50	3600	68.00	12.50	57	113	3%
Santa Julia	53262	53251	179	20.79	8.61	756	20.79	8.61	20	23	3%
Punta Arenas	43761	43751	305	35.42	8.61	756	35.42	8.61	10	23	3%
Paso El Roble	43806	43807	132	10.56	12.50	3600	10.56	12.50	0	105	3%
Oscar Boehme	53080	53070	276	32.05	8.61	1080	32.05	8.61	0	31	3%
Av. México	53357	53358	507	50.70	10.00	1080	50.70	10.00	0	30	3%
El Hualle	53743	53742	100	15.65	6.39	1000	15.65	6.39	0	26	3%
San Pedro	52292	52194	580	61.41	9.44	810	61.41	9.44	0	21	3%
Guacolda	52181	42981	977	78.16	12.50	1800	78.16	12.50	33	46	3%
Nueva Uno	54003	44915	270	21.60	12.50	3600	21.60	12.50	0	88	2%
Venezuela	53243	53242	433	44.54	9.72	1080	44.54	9.72	25	26	2%
Gerónimo de Alderete	43763	43861	472	53.10	8.89	2160	53.11	8.89	37	51	2%
Atahualpa	43782	43781	342	27.36	12.50	3600	27.36	12.50	0	85	2%
Trinidad	53221	53222	351	38.29	9.17	3240	38.29	9.17	0	75	2%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Eugenia	43705	43706	48	3.84	12.50	3600	3.84	12.50	0	83	2%
Nueva Uno	44915	44916	234	18.72	12.50	3600	18.72	12.50	0	80	2%
Santa Amalia	53032	53033	208	16.64	12.50	3600	16.64	12.50	0	80	2%
Gerónimo de Alderete	53073	53261	270	31.35	8.61	3600	31.35	8.61	60	80	2%
Av. México	53356	53357	442	45.46	9.72	1620	45.46	9.72	0	35	2%
Trinidad	53121	53221	520	49.26	10.56	2160	49.27	10.55	0	42	2%
Vicente Valdés	53172	53072	318	30.94	10.28	1170	30.94	10.28	0	22	2%
Barcelona	43800	43799	126	22.68	5.56	1080	22.68	5.56	0	20	2%
Calle Uno	53081	53080	180	14.40	12.50	1800	14.40	12.50	0	31	2%
Mirador Azul	44902	44913	198	15.84	12.50	3600	15.84	12.50	0	61	2%
General Arriagada	42991	43900	897	71.76	12.50	2700	71.76	12.50	15	46	2%
Santa Amalia	53357	53431	462	51.97	8.89	1620	51.97	8.89	27	27	2%
Bacteriológico	52292	52291	355	38.73	9.17	2160	38.73	9.17	0	35	2%
Julio Vildósola	43981	43982	222	33.30	6.67	1620	33.30	6.67	0	26	2%
Enrique Olivares	53242	53356	351	28.08	12.50	3600	28.08	12.50	0	49	1%
Fresia	43798	43781	264	30.66	8.61	1080	30.66	8.61	0	13	1%
Mirador Azul	44914	44915	210	27.00	7.78	1080	27.00	7.78	0	13	1%
Gerónimo de Alderete	53352	53261	481	55.86	8.61	3600	55.86	8.61	34	38	1%
Millaray	43799	43798	210	13.75	15.27	3600	13.75	15.27	0	35	1%
Alonso de Ercilla	53083	53085	492	53.67	9.17	1620	53.67	9.17	0	16	1%
Santa Amalia	53231	53357	533	42.64	12.50	3600	42.64	12.50	27	33	1%
Brasil	53143	53140	470	45.73	10.28	1170	45.73	10.28	0	9	1%
Mirador Azul	44913	44914	270	21.60	12.50	1800	21.60	12.50	0	13	1%
Julio Vildósola	43980	43981	132	10.56	12.50	3600	10.56	12.50	0	26	1%
Santa Julia	53145	53151	117	13.59	8.61	99999	13.59	8.61	0	553	1%
La Parroquia	43873	43975	108	8.64	12.50	1800	8.64	12.50	0	9	1%
La Parroquia	43975	43972	174	13.92	12.50	1800	13.92	12.50	0	9	1%
Gerónimo de Alderete	43863	43961	294	35.28	8.33	1620	35.28	8.33	0	7	0%
Gerónimo de Alderete	43861	43863	411	49.32	8.33	2160	49.32	8.33	0	8	0%
Santa Julia	43986	53145	234	27.17	8.61	99999	27.17	8.61	0	289	0%
Bacteriológico	53201	52292	310	34.87	8.89	2160	34.87	8.89	0	6	0%
Av. Perú	53145	53144	377	45.24	8.33	810	45.24	8.33	0	2	0%
Manutara	43869	43900	468	37.44	12.50	1080	37.44	12.50	0	2	0%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Nueva Exequiel Fernández	44802	44803	270	21.60	12.50	3600	21.60	12.50	0	3	0%
Santa Julia	43963	43986	273	31.70	8.61	99999	31.70	8.61	0	76	0%
San Alfonso	43702	43701	102	8.16	12.50	1800	8.16	12.50	0	1	0%
Santa Julia	43851	43864	351	40.76	8.61	99999	40.76	8.61	0	37	0%
Santa Julia	43864	43963	507	58.88	8.61	99999	58.88	8.61	0	30	0%
San Carlos de Ancud	43811	43810	84	6.72	12.50	3600	6.72	12.50	0	1	0%
San Carlos de Ancud	43883	43811	60	4.80	12.50	3600	4.80	12.50	0	1	0%
Gerónimo de Alderete	53353	53762	1937	224.94	8.61	3600	224.94	8.61	0	0	0%
San Alfonso	43701	43702	102	8.16	12.50	1800	8.16	12.50	0	0	0%
El Manzano	43704	43703	150	21.60	6.94	2340	21.60	6.94	0	0	0%
Eugenia	43706	43707	120	19.64	6.11	2340	19.64	6.11	0	0	0%
Mauro	43708	43706	150	12.00	12.50	1800	12.00	12.50	0	0	0%
Las Acacias	43775	43870	102	22.95	4.44	810	22.95	4.44	0	0	0%
Rupanco	43783	43784	282	28.20	10.00	1170	28.20	10.00	0	0	0%
Membrillar	43804	43805	144	19.20	7.50	1170	19.20	7.50	0	0	0%
Pudeto	43805	43807	192	23.04	8.33	1170	23.04	8.33	0	0	0%
Pudeto	43807	43810	192	25.60	7.50	1080	25.60	7.50	0	0	0%
Bellavista	43808	43811	180	24.00	7.50	1080	24.00	7.50	0	0	0%
Pudeto	43810	43786	168	13.44	12.50	1800	13.44	12.50	0	0	0%
San Carlos de Ancud	43810	43809	108	8.64	12.50	3600	8.64	12.50	0	0	0%
Bellavista	43811	43787	198	15.84	12.50	1800	15.84	12.50	0	0	0%
Filomena Soto	43874	43873	132	10.56	12.50	1800	10.56	12.50	0	0	0%
Filomena Soto	43875	43775	90	7.20	12.50	1800	7.20	12.50	0	0	0%
Filomena Soto	43886	43874	96	7.68	12.50	1800	7.68	12.50	0	0	0%
Filomena Soto	43886	43875	120	9.60	12.50	1800	9.60	12.50	0	0	0%
Concepción	43982	43983	438	45.05	9.72	1080	45.05	9.72	0	0	0%
Vicente Valdés	43983	53072	474	40.63	11.67	1170	40.63	11.67	0	0	0%
Membrillar	44904	44804	312	35.10	8.89	1080	35.10	8.89	0	0	0%
San Pedro	52194	52292	570	45.60	12.50	1800	45.60	12.50	0	0	0%
San Pedro	52392	52393	1250	100.00	12.50	1800	100.00	12.50	0	0	0%
San Pedro	52393	52392	1255	110.20	11.39	1080	110.20	11.39	0	0	0%
Enrique Olivares	53342	53343	1430	114.40	12.50	3600	114.40	12.50	0	0	0%
Enrique Olivares	53343	53342	1430	109.53	13.06	1620	109.53	13.06	0	0	0%

NOMBRE	NODOA	NODOB	LONGITUD (m)	TPOFLIBRE (seg)	VELFLIBRE (m/seg)	CAPAC (veq)	TPO_EQ (seg)	VEL_EQ (m/seg)	FFIJO (veq)	FLUJO_EQ (veq)	% sat
Trinidad	53421	53422	1300	85.09	15.28	1800	85.09	15.28	0	0	0%
Trinidad	53422	53421	1300	99.57	13.06	1080	99.57	13.06	0	0	0%
Gerónimo de Alderete	53762	53353	1937	224.94	8.61	1620	224.94	8.61	0	0	0%

Anexo A.2. Características de arcos de la comuna de La Florida – Simulación 2010 con proyecto

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Vicuna Mackenna	52271	52181	4	637	53	43	2160	683	346	7	2750	127%
Acceso A Vespucio	800510	800500	21	77	7	40	1711	0	133	2	1948	114%
A Vespucio	800680	800640	12	202	8	91	6150	100	59	12	6487	105%
A Vespucio	800640	800550	12	1379	50	99	6150	109	104	48	6429	105%
(E) Vicuna Mackenna	43802	43791	4	284	32	32	4320	608	75	14	4394	102%
Elisa Correa	52271	52270	8	819	66	45	1800	0	233	13	1829	102%
Acceso A Vespucio	800690	800680	20	74	7	38	1351	0	11	24	1353	100%
(E) Vicuna Mackenna	43700	43702	4	146	9	60	9000	608	16	32	8971	100%
(E) Vicuna Mackenna	43702	44601	4	36	2	60	9000	608	4	32	8971	100%
Punta Arenas	800920	800910	8	52	6	31	3600	323	20	10	3577	99%
Av. La Florida	53281	800430	4	494	44	40	5400	559	82	22	5347	99%
A Vespucio	800550	800500	12	394	15	95	6150	109	19	76	6073	99%
A Vespucio	800880	800860	5	110	8	50	1900	323	25	16	1865	98%
(E) Vicuna Mackenna	43974	43973	4	48	17	10	5400	827	31	6	5258	97%
Vicuna Mackenna	52181	52271	4	637	53	43	2160	672	91	25	2054	95%
A Vespucio	800840	800770	12	402	15	96	6150	100	18	80	5839	95%
Av. La Florida	53353	53271	4	715	59	44	5400	500	99	26	5118	95%
A Vespucio	800750	800690	5	43	4	39	1330	385	11	14	1258	95%
Rotonda Vicuña Mackenna	800610	800580	4	60	9	24	7800	726	15	14	7349	94%
(E) Vicuna Mackenna	53111	53121	4	340	53	23	3020	766	88	14	2819	93%
(E) Punta Arenas	43796	43793	8	150	12	45	3600	0	30	18	3351	93%
(E) Vicuna Mackenna	43886	43885	4	120	23	19	5400	608	37	12	4972	92%
Rotonda Vicuña Mackenna	800600	800610	4	60	9	24	7800	1147	14	16	6976	89%
Av. La Florida	53282	53281	4	806	66	44	5400	559	101	29	4795	89%
Punta Arenas	43751	43761	8	295	34	31	756	10	72	15	667	88%
(E) Vicuna Mackenna	43710	43707	4	60	4	60	7200	608	5	40	6315	88%
Alonso de Ercilla	53083	800510	8	246	20	45	3600	0	40	22	3148	87%
(A) Punta Arenas	43792	43700	8	130	20	23	3240	0	41	11	2826	87%
(E) Vicuna Mackenna	52193	52194	4	61	8	27	3020	766	12	19	2559	85%
Av. La Florida	53421	865035	4	145	13	39	4320	468	19	27	3652	85%
Av. La Florida	865035	53431	4	315	29	39	4320	468	42	27	3652	85%
(E) Vicuna Mackenna	44804	43802	4	168	25	24	5400	608	36	17	4541	84%
Bahia Catalina	42682	42691	5	420	27	55	2700	129	61	25	2269	84%
Departamental	44919	44901	4	300	33	33	3240	154	46	23	2707	84%
(E) Vicuna Mackenna	52194	53103	4	364	49	27	3020	766	68	19	2522	84%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
A Vespucio	800770	800680	12	284	11	93	6150	100	12	85	5134	83%
Departamental	44901	44801	4	290	33	32	3240	222	46	23	2695	83%
Departamental	54003	44920	4	165	25	24	3240	154	35	17	2693	83%
(A) Alonso de Ercilla	53171	53085	8	330	41	29	1620	0	71	17	1336	82%
(E) Vicuna Mackenna	53111	53103	4	360	46	28	2525	764	64	20	2074	82%
(E) Vicuna Mackenna	43884	43883	4	192	27	26	5400	608	37	19	4433	82%
(E) Vicuna Mackenna	53032	53042	4	448	32	50	5760	687	44	36	4704	82%
Froilan Roa	800570	800560	8	59	19	11	1620	73	31	7	1299	80%
(E) Vicuna Mackenna	43885	43884	4	150	23	23	5400	608	31	17	4303	80%
Punta Arenas	43762	43771	8	388	47	30	1620	106	74	19	1284	79%
Punta Arenas	43761	43762	5	252	35	26	1350	80	69	13	1070	79%
(E) Manutara	43900	43869	8	468	37	45	810	0	59	29	640	79%
(E) Froilan Roa	53081	800570	8	384	46	30	1620	48	71	19	1273	79%
(E) Punta Arenas	43780	43797	8	258	36	26	2430	0	55	17	1897	78%
Departamental	54301	800430	4	760	74	37	2340	50	97	28	1824	78%
(E) Vicuna Mackenna	53042	53041	4	482	35	50	5760	727	45	39	4411	77%
(E) Manutara	43865	43864	8	377	30	45	1620	0	44	31	1235	76%
Mirador Azul	44802	43791	8	414	48	31	1620	0	70	21	1234	76%
Alicahue	54505	54504	8	130	19	25	1170	0	27	17	890	76%
Sotero del Rio	43844	43842	8	494	44	40	1215	0	64	28	923	76%
Sotero del Rio	43866	43844	8	117	11	40	1215	0	15	28	923	76%
Av. La Florida	53433	53342	4	208	28	27	4860	500	35	21	3688	76%
Santa Raquel	43822	43821	8	403	40	36	810	290	58	25	614	76%
(A) Av. Mexico	53363	53359	8	338	35	35	1755	0	49	25	1317	75%
Departamental	44801	43711	4	580	50	42	3240	170	62	34	2414	75%
Alonso de Ercilla	53085	53083	8	492	39	45	3600	0	54	33	2665	74%
Geronimo de Alderete	53261	53073	8	270	31	31	1620	69	43	23	1189	73%
Acceso A Vespucio	800630	800650	21	71	7	37	1900	0	8	33	1393	73%
(E) Colombia	52371	52381	8	228	18	45	3600	25	25	33	2625	73%
Bahia Catalina	42691	43602	8	218	33	24	1215	89	44	18	884	73%
Santa Raquel	43901	43822	8	403	40	36	810	290	53	27	582	72%
Punta Arenas	800910	800900	8	145	17	31	3600	0	22	24	2576	72%
(E) Vicuna Mackenna	43708	43704	4	84	5	60	9000	608	6	50	6379	71%
(E) Vicuna Mackenna	43704	43700	4	160	10	60	9000	608	12	50	6343	70%
(E) Vicuna Mackenna	53032	53121	4	444	50	32	2525	676	60	27	1774	70%
(E) Vicuna Mackenna	43707	43708	4	42	3	60	9000	608	3	50	6315	70%
(E) Vicuna Mackenna	43791	43710	4	216	13	60	9000	608	16	50	6315	70%
San Jose de la Estrella	43601	43602	8	185	30	22	1620	10	38	17	1127	70%
A Vespucio	800570	800530	5	375	27	50	1900	364	43	31	1319	69%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Departamental	800430	800440	4	132	8	60	5400	184	9	51	3722	69%
Brasil	53161	53151	8	290	32	33	650	25	39	27	445	68%
Nva Exeq. Fdez.	44802	44801	8	385	46	30	1620	0	57	24	1109	68%
(E) Av. La Florida	53341	53351	4	344	21	60	7200	500	24	51	4920	68%
A Vespucio	800510	800460	5	392	29	49	2280	364	45	31	1558	68%
(E) Vicuna Mackenna	52192	52191	4	130	16	30	2525	755	18	26	1719	68%
Acceso A Vespucio	800860	800840	21	47	5	34	1807	0	5	31	1224	68%
Enrique Olivares	53475	53342	8	832	64	47	1620	0	78	39	1092	67%
A Vespucio	800490	800520	5	225	17	48	1900	326	26	31	1279	67%
(E) Av. Mexico	53358	53357	8	507	51	36	1080	0	61	30	722	67%
(E) Vicuna Mackenna	43963	43961	4	481	29	60	7200	743	33	52	4784	66%
(E) Av. La Florida	53511	53421	4	370	24	55	7200	468	28	48	4773	66%
Av. La Florida	53282	53271	4	340	28	44	5400	545	32	38	3567	66%
Av. La Florida	53353	53351	4	487	40	44	5400	472	46	38	3554	66%
(E) Diego Portales	53362	52691	5	900	69	47	2340	261	101	32	1521	65%
(E) Manutara	43890	43868	8	364	44	30	1620	0	51	26	1053	65%
Punta Arenas	43622	800920	5	800	52	55	3600	0	76	38	2334	65%
Elisa Correa	52270	52271	8	819	76	39	1080	0	88	33	698	65%
(E) Av. La Florida	53351	53353	4	487	29	60	9000	500	33	53	5807	65%
(E) Av. La Florida	53501	53502	4	205	13	55	7200	472	15	48	4634	64%
(E) Trinidad	43833	43622	5	221	29	27	1620	228	43	19	1042	64%
Walker Martinez	43873	800610	4	144	24	22	2160	114	27	19	1388	64%
(E) Av. La Florida	53502	53511	4	250	15	60	7200	472	17	53	4617	64%
(E) Vicuna Mackenna	53041	43963	4	369	28	48	7200	743	31	42	4617	64%
(E) Vicuna Mackenna	43972	800600	4	78	5	60	9000	827	5	53	5742	64%
(E) Vicuna Mackenna	43973	43972	4	276	17	60	9000	827	19	53	5742	64%
(E) Punta Arenas	43623	43622	5	442	44	36	3240	0	63	25	2061	64%
A Vespucio	800910	800880	5	411	30	49	3800	323	43	35	2401	63%
Av. La Florida	53271	53353	4	715	59	44	5400	472	66	39	3392	63%
Santa Raquel	43821	43822	8	403	40	36	810	147	46	32	506	62%
Rolando Froden	53282	53085	8	629	69	33	2160	48	78	29	1346	62%
A Vespucio	43870	800630	5	333	30	40	1900	327	42	29	1183	62%
(E) Froilan Roa	44904	44903	8	102	23	16	1620	48	26	14	999	62%
(A) Av. Mexico	52572	53362	8	210	27	28	1620	0	30	25	998	62%
Colombia	52381	52391	8	405	47	31	1620	0	53	28	997	62%
Av. La Florida	53271	53282	4	340	28	44	9000	574	31	40	5506	61%
(E) Vicuna Mackenna	53042	53032	4	460	33	50	3240	676	37	45	1976	61%
(E) Froilan Roa	44906	44905	8	215	32	24	1620	48	36	22	982	61%
(E) Mirador Azul	44913	44902	8	198	31	23	1620	0	35	21	981	61%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Vicuna Mackenna	43882	43881	4	144	9	60	7200	608	10	54	4352	60%
(E) Lia Aguirre	43774	43773	5	108	11	37	1928	135	14	28	1156	60%
Colombia	53231	53241	8	455	51	32	1620	20	57	29	968	60%
(E) Froilan Roa	53072	53071	8	420	49	31	1620	0	54	28	965	60%
Bahia Catalina	43602	43621	8	872	70	45	2700	0	77	41	1609	60%
(E) Alonso de Ercilla	53172	53171	8	408	47	31	1620	5	52	28	961	59%
(A) Av. Mexico	53362	53360	8	364	40	33	1620	0	43	30	951	59%
Rojas Magallanes	53355	53341	5	338	22	55	1800	54	29	42	1055	59%
(E) Av. La Florida	53342	53341	4	475	29	60	9000	500	31	55	5260	58%
A Vespucio	800690	43860	5	180	29	22	1900	385	38	17	1108	58%
Jose Miguel Carrera	43847	43822	5	520	44	43	1755	0	57	33	1021	58%
A Vespucio	43860	800620	5	210	29	26	1900	385	38	20	1105	58%
(E)Chacon Zamora	54302	54301	8	325	35	33	2160	0	39	30	1249	58%
Serafin Zamora	43885	43887	6	325	21	55	1080	0	37	31	623	58%
Geronimo de Alderete	800720	800660	8	390	29	48	1800	0	32	44	1038	58%
(E) Fresia	43781	43798	8	264	31	31	2160	0	33	29	1242	58%
(E) Fresia	43784	43781	8	282	33	31	2160	0	36	29	1242	58%
Walker Martinez	54304	54303	6	130	15	31	1249	152	26	18	716	57%
San Luis	43842	800910	8	575	67	31	2025	0	72	29	1159	57%
Departamental	800450	54003	4	208	12	60	5400	154	14	55	3085	57%
Punta Arenas	43771	43783	8	209	17	45	3600	0	18	42	2033	56%
Diagonal Los Castaños	53391	54201	8	435	51	31	756	46	54	29	427	56%
(E) Vicuna Mackenna	53041	53042	4	440	40	40	3240	716	43	37	1825	56%
Departamental	800440	800450	4	71	4	60	5400	184	5	56	3029	56%
Santa Raquel	43832	43842	8	364	44	30	1620	238	47	28	904	56%
(E) Vicuna Mackenna	43961	43974	4	168	10	60	9000	827	11	56	5021	56%
Vicuna Mackenna	800580	43886	4	132	8	60	9000	608	8	56	4972	55%
A Vespucio	800650	800850	12	882	32	99	6150	60	32	98	3396	55%
Santa Raquel	42991	43901	8	545	59	33	810	138	63	31	447	55%
(E) Av. Mexico	53359	53358	8	312	25	45	2700	0	27	42	1490	55%
A Vespucio	800460	800440	5	51	4	46	3420	344	5	37	1883	55%
Rojas Magallanes	53243	53263	6	138	9	55	1800	15	15	33	986	55%
(E) Punta Arenas	43793	43792	8	290	23	45	5400	40	25	42	2930	54%
(E) Vicuna Mackenna	53121	53032	4	442	32	50	7550	687	34	47	4093	54%
A Vespucio	800590	43870	5	80	30	10	1900	327	37	8	1027	54%
Rojas Magallanes	53263	53243	6	138	9	55	1800	15	15	34	973	54%
Serafin Zamora	43885	43790	6	168	26	23	1080	0	43	14	584	54%
(E) Diego Portales	52293	52181	5	481	47	37	2160	97	58	30	1167	54%
Santa Raquel	865041	42983	8	387	40	35	1620	17	42	33	874	54%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Santa Raquel	42983	42991	8	390	47	30	1215	152	49	28	654	54%
(E) Vicuna Mackenna	53103	53111	4	360	26	50	6060	766	28	47	3226	53%
Serafin Zamora	43887	800560	6	125	13	36	1080	0	20	22	569	53%
Av. La Florida	53431	865035	4	315	29	39	4320	440	31	37	2265	52%
Av. La Florida	865035	53421	4	145	13	39	4320	440	14	37	2265	52%
(E) Vicuna Mackenna	43881	44804	4	78	5	60	9000	608	5	57	4689	52%
Brasil	53151	53161	8	290	32	33	650	25	33	32	335	52%
Vicuna Mackenna	52192	52193	4	268	19	51	6060	766	20	48	3123	52%
Bahia Catalina	42691	42682	5	433	28	55	2700	129	34	46	1387	51%
Fresia	43763	43772	8	360	39	33	2160	0	41	32	1108	51%
(E) Av. Mexico	53357	53356	8	442	45	35	1620	0	47	34	830	51%
(E) Vicuna Mackenna	52191	52192	4	133	10	48	6060	766	10	46	3089	51%
Departamental	54201	54301	4	130	13	37	2340	50	13	35	1190	51%
Lia Aguirre	800590	43775	5	122	12	37	1928	135	14	31	979	51%
Concepcion	43983	43982	8	438	49	32	810	0	51	31	411	51%
Departamental	44920	44919	4	290	17	60	5400	154	18	57	2703	50%
Alicahue	53471	54505	8	468	37	45	1800	0	39	44	890	49%
(E) Diego Portales	52381	52293	5	429	28	55	3600	101	33	47	1780	49%
(E) Vicuna Mackenna	43883	43882	4	42	3	60	9000	608	3	57	4433	49%
Santa Raquel	43842	43841	8	405	47	31	1620	238	49	30	797	49%
(E) Lia Aguirre	43772	43773	5	402	45	32	925	135	53	27	454	49%
Rojas Magallanes	53341	53355	5	338	22	55	1800	19	26	47	882	49%
(E) Vicuna Mackenna	52191	52181	4	390	47	30	2525	769	49	29	1237	49%
A Vespuccio	800470	800490	5	296	22	48	1900	326	25	42	923	49%
Punta Arenas	800890	43751	8	598	60	36	1512	0	62	35	729	48%
Jose Miguel Carrera	43822	43834	5	364	24	55	2700	0	27	48	1294	48%
(E) Froilan Roa	53073	53072	8	222	18	45	3600	0	18	44	1719	48%
(E) Rojas Magallanes	53341	54307	5	325	21	55	1800	15	24	48	858	48%
Rojas Magallanes	54307	53474	5	468	31	55	1800	15	35	48	858	48%
Vicente Valdes	53072	43983	6	474	31	55	1800	0	46	37	858	48%
(E) Manutara	43843	43865	8	169	29	21	2835	0	30	20	1350	48%
Rojas Magallanes	43987	53144	6	247	31	29	1080	20	45	20	512	47%
Av. La Florida	53433	53431	4	267	31	31	4860	472	32	30	2297	47%
Departamental	43711	44601	4	280	17	60	5400	170	17	58	2549	47%
Rojas Magallanes	53143	53142	6	124	23	19	1080	15	34	13	508	47%
Sotero del Rio	53042	43866	8	516	49	38	1620	0	50	37	754	47%
Santa Raquel	43831	43832	8	52	6	30	1620	238	6	29	754	47%
(E) Av. La Florida	53341	53342	4	475	44	39	5400	472	45	38	2507	46%
Serafin Zamora	800560	43887	6	125	13	36	1080	0	18	25	501	46%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Vicente Valdes	43983	43973	6	264	33	29	1080	0	47	20	501	46%
(E) Santa Julia	43864	43851	8	351	36	35	2340	0	37	34	1084	46%
(E) Av. Mexico	53352	53371	8	676	54	45	1800	0	55	44	833	46%
(E) Santa Raquel	43851	800740	8	428	43	36	2340	0	44	35	1079	46%
Departamental	54301	54201	4	130	13	37	1980	140	13	36	913	46%
Alonso de Ercilla	800510	800490	8	90	7	45	3600	0	7	44	1657	46%
Rojas Magallanes	53243	53355	5	355	23	55	1800	54	26	49	824	46%
Walker Martinez	53371	53171	5	354	39	33	2160	114	43	29	985	46%
(E) Trinidad	43621	43622	5	380	40	34	1620	228	45	30	738	46%
Mirador Azul	43794	43791	8	220	38	21	1512	0	39	21	689	46%
Jose Miguel Carrera	43890	43847	5	325	21	55	2700	0	24	49	1230	46%
(E) Av. La Florida	53431	53433	4	267	16	60	8100	500	17	58	3688	46%
Vicuna Mackenna	52193	52192	4	270	19	51	4950	755	20	49	2249	45%
Trinidad	53221	53121	6	520	49	38	2160	0	70	27	981	45%
(E) Froilan Roa	53071	53081	8	300	24	45	3600	48	24	44	1622	45%
(E) Punta Arenas	43797	43796	8	210	17	45	5400	0	17	44	2430	45%
Mirador Azul	44902	44802	8	126	10	45	3600	0	10	44	1619	45%
Bahia Catalina	42781	42682	5	473	31	55	2700	123	35	49	1211	45%
(E) Punta Arenas	43601	43623	5	403	26	55	4500	0	29	49	2002	44%
Estados Unidos	43987	43986	8	364	29	45	1080	0	30	44	479	44%
(E) Alonso de Ercilla	53261	53172	8	432	35	45	2160	5	35	44	952	44%
Enrique Olivares	53241	53264	8	247	31	29	1620	24	31	29	709	44%
Bahia Catalina	42682	42781	5	475	31	55	2700	123	34	50	1178	44%
(E) Av. La Florida	53511	53502	4	250	15	60	7200	444	15	59	3111	43%
(E) Av. La Florida	53421	53511	4	220	14	55	7200	440	15	54	3107	43%
Walker Martinez	53070	43982	4	360	37	35	2160	114	38	34	931	43%
San Jose de la Estrella	865044	43601	8	336	31	39	2160	10	31	38	931	43%
(E) Las Nalcas	53211	53221	8	300	39	28	2025	24	39	28	872	43%
Santa Raquel	43841	43851	8	340	35	35	2340	234	35	35	1000	43%
(E) Lia Aguirre	43775	43774	5	168	16	37	1928	135	18	34	823	43%
Colombia	53302	53311	8	355	44	29	1620	8	45	29	691	43%
Las Pataguas	44906	44916	8	340	35	35	1170	0	35	35	499	43%
(A) Fresia	43798	43699	8	250	30	30	2160	0	30	30	921	43%
Serafin Zamora	43887	43885	6	325	21	55	1080	0	29	41	460	43%
(E) Vicuna Mackenna	52194	52193	4	61	4	49	4950	755	5	48	2097	42%
(E) Av. La Florida	53502	53501	4	205	13	55	7200	444	14	54	3042	42%
(E) Diego Portales	52381	53362	5	689	45	55	3600	276	49	50	1521	42%
Rojas Magallanes	53041	43987	6	260	17	55	1800	20	23	41	758	42%
Brasil	53151	53143	8	371	39	34	1080	5	40	34	454	42%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Vicuna Mackenna	53103	52194	4	364	27	49	4950	755	27	48	2073	42%
Colombia	53222	53231	8	455	51	32	1620	0	52	32	678	42%
Estados Unidos	43988	43987	8	468	37	45	1170	0	38	44	488	42%
Santa Julia	43851	800820	5	86	14	22	2776	234	15	20	1156	42%
(E) Departamental	43711	44801	4	580	50	42	3240	170	51	41	1346	42%
(E) Manutara	43867	43866	8	468	53	32	2835	0	53	32	1172	41%
(E) Lia Aguirre	43773	43772	5	402	39	37	1928	135	42	34	795	41%
Geronimo de Alderete	800660	43763	6	472	46	37	2520	0	61	28	1038	41%
(E) Punta Arenas	42691	43601	5	208	23	32	2925	0	25	29	1203	41%
(E) Punta Arenas	43623	43601	5	403	36	40	2925	0	39	37	1188	41%
Enrique Olivares	53140	53141	8	127	16	28	1620	24	17	28	656	40%
(E) Froilan Roa	44903	44902	8	240	35	25	1620	48	35	25	655	40%
A Vespucio	800800	800870	5	302	22	49	1900	265	24	46	766	40%
(E) Av. Mexico	53361	53360	8	390	41	34	1620	0	42	34	652	40%
Enrique Olivares	53241	53140	8	127	16	28	1620	24	16	28	650	40%
(E) Av. La Florida	52692	53501	4	376	25	55	7200	472	25	54	2880	40%
(E) Av. Mexico	53356	53355	8	442	43	37	1170	0	43	37	467	40%
(E) Av. La Florida	800430	53281	4	494	30	60	9000	530	30	59	3595	40%
Punta Arenas	800900	800910	5	145	11	47	1140	0	12	44	454	40%
(E) Av. La Florida	53281	53282	4	806	48	60	9000	530	49	59	3564	40%
(A) Av. Mexico	53359	53363	8	338	35	35	1755	0	35	35	695	40%
(E) Departamental	44601	43711	4	280	32	32	3240	170	32	31	1282	40%
(E) Vicuna Mackenna	52181	52191	4	390	28	50	6060	780	29	49	2395	40%
(E) Mirador Azul	43699	43796	8	110	17	24	2340	0	17	24	921	39%
(E) Fresia	43772	43784	8	240	19	45	3600	0	19	45	1413	39%
Salida A Vespucio	800770	800760	8	66	5	48	1800	0	5	47	705	39%
(E) Bacteriologico	53201	53211	8	405	47	31	2025	4	47	31	793	39%
(E) Av. Tobalaba	53763	53671	4	350	36	35	3240	139	37	34	1268	39%
(E) Departamental	44801	44901	4	290	33	32	3240	194	33	31	1263	39%
(E) Bacteriologico	52292	53201	8	300	39	28	2025	0	39	28	789	39%
Brasil	53143	53140	8	470	46	37	1170	0	46	37	455	39%
Walker Martinez	43982	43873	4	138	8	60	3600	114	8	59	1388	39%
A Vespucio	800870	800890	5	461	34	49	2280	265	36	46	874	38%
Jose Miguel Carrera	53111	43890	5	598	49	44	2340	0	52	41	894	38%
Santa Julia	43963	43864	8	507	59	31	810	0	59	31	309	38%
Rojas Magallanes	53142	53263	6	247	16	55	1800	15	20	43	686	38%
A Vespucio	800810	800760	5	242	18	48	1900	385	19	46	721	38%
Las Higueras	54502	53391	8	715	78	33	1134	46	79	33	427	38%
A Vespucio	800760	800750	5	105	8	47	3800	385	8	45	1427	38%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Av. Mexico	53358	53359	8	312	33	34	1755	0	33	34	657	37%
Acceso A Vespucio	800520	800540	21	69	7	35	1900	0	7	34	711	37%
(E) Vicuna Mackenna	53121	53111	4	335	24	50	4950	764	24	49	1849	37%
A Vespucio	438701	800600	5	150	26	21	3420	385	28	20	1275	37%
Jose Miguel Carrera	53211	53111	5	400	26	55	2700	0	28	52	1005	37%
(E) Mirador Azul	44914	44913	8	270	22	45	1800	0	22	45	669	37%
(E) Mirador Azul	44915	44914	8	210	17	45	1800	0	17	45	669	37%
Santa Raquel	43901	42991	8	550	58	34	810	138	59	34	300	37%
Rojas Magallanes	53355	53243	5	355	23	55	1800	19	25	52	665	37%
Rojas Magallanes	53474	54307	5	468	31	55	1800	31	32	52	665	37%
Brasil	53140	53139	8	180	22	29	1170	0	22	29	430	37%
(E) Av. Tobalaba	53683	53692	4	138	24	21	3240	0	24	21	1190	37%
(E) Av. Tobalaba	53685	53683	4	208	28	27	3240	0	28	27	1190	37%
(E) Av. La Florida	53501	52692	4	376	25	55	7200	444	25	54	2644	37%
Diag. Santa Elena	53471	53581	8	620	72	31	756	0	72	31	276	37%
Santa Raquel	43822	43901	8	403	40	36	810	147	41	36	295	36%
Colombia	52392	53302	8	275	37	27	1620	0	37	27	587	36%
(E) Vicuna Mackenna	43972	43973	4	276	18	55	5400	816	18	54	1943	36%
(E) Froilan Roa	53081	53071	8	300	39	28	1620	0	39	28	580	36%
El Parque	800490	44916	6	228	15	55	3600	0	18	45	1286	36%
Punta Arenas	43783	43771	8	209	31	24	1620	0	32	24	579	36%
(E) Vicuna Mackenna	43963	53041	4	369	24	55	5760	732	24	54	2053	36%
Bahia Catalina	42781	42782	5	689	45	55	1755	0	47	52	625	36%
(E) Diego Portales	52691	53362	5	900	59	55	3600	161	62	52	1274	35%
Santa Raquel	800710	800690	8	28	5	20	3600	0	5	20	1268	35%
(E) Punta Arenas	43783	43780	8	258	21	45	5400	0	21	45	1897	35%
(E) Av. Tobalaba	53691	54601	4	430	41	38	3240	9	41	38	1137	35%
Alonso de Ercilla	53262	53261	8	210	27	28	4320	0	27	28	1516	35%
Rotonda Vicuña Mackenna	800580	800590	4	87	13	24	7800	470	13	24	2729	35%
(E) Vicuna Mackenna	43974	43961	4	168	25	24	5400	816	25	24	1888	35%
(E) Froilan Roa	800560	44906	8	193	15	45	3600	48	16	45	1256	35%
(E) Av. Mexico	53355	53354	8	416	33	45	1800	0	33	45	628	35%
Jose Miguel Carrera	53311	53211	5	370	39	34	1620	28	41	32	564	35%
Punta Arenas	800890	800900	5	100	8	45	3420	265	8	43	1189	35%
(E) Av. Tobalaba	53762	53763	4	310	34	33	3240	0	34	33	1121	35%
(E) Vicuna Mackenna	43961	43963	4	481	31	55	5760	732	32	54	1990	35%
El Hualle	53740	53742	8	20	18	4	1620	0	18	4	559	35%
(E) Rojas Magallanes	54307	53341	5	325	21	55	1800	31	22	53	621	35%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
A Vespucio	800620	438701	5	209	26	29	3420	385	27	28	1171	34%
(E) Trinidad	43622	43621	5	380	37	37	2700	228	39	35	923	34%
Trinidad	53358	53222	5	598	54	40	2160	0	56	38	737	34%
(E) Departamental	54003	800470	4	208	12	60	5400	202	13	59	1841	34%
(E) San Francisco	52270	42984	6	611	40	55	5400	0	48	46	1829	34%
Rotonda Departamental	800470	800460	4	64	4	60	5400	164	4	59	1826	34%
Santa Raquel	43821	43831	8	450	51	32	1620	238	51	32	547	34%
Jose Miguel Carrera	43834	43623	5	377	25	55	2700	0	26	53	887	33%
A Vespucio	800540	800650	12	1492	54	99	6150	57	54	99	2001	33%
(E) Manutara	43869	43890	8	390	31	45	3600	0	31	45	1171	33%
(E) Av. Peru	53221	53131	8	420	49	31	1620	24	49	31	526	32%
Rojas Magallanes	43841	43865	6	455	44	37	1620	5	52	31	525	32%
(E) Av. Mexico	53361	53363	8	156	21	27	1755	0	21	27	569	32%
Bahia Catalina	42782	42781	5	689	45	55	2700	0	47	53	871	32%
Nva Exeq. Fdez.	44803	44802	8	270	31	31	2160	0	31	31	697	32%
(E) Chacon Zamora	54303	54302	8	988	89	40	2160	0	89	40	696	32%
Santa Raquel	800740	800710	8	20	3	24	3600	0	3	24	1157	32%
Ecuador	53263	53262	8	390	31	45	4500	0	31	45	1444	32%
Punta Arenas	800900	800890	5	100	8	45	2280	0	8	44	729	32%
Enrique Olivares	43988	53141	8	253	31	29	1620	40	31	29	514	32%
(E) Av. La Florida	53351	53341	4	344	21	60	7200	472	21	60	2280	32%
(A) Av. Mexico	53360	53362	8	364	40	33	1620	0	40	33	511	32%
Santa Julia	800780	43761	5	309	37	30	3374	152	38	29	1061	31%
Jose Miguel Carrera	43847	43890	5	325	32	37	1755	0	33	36	551	31%
Rafael Matus	42981	865041	8	314	32	35	1620	17	32	35	500	31%
Jose Miguel Carrera	53111	53211	5	412	42	35	1620	0	44	34	499	31%
Jose Miguel Carrera	53359	53311	5	598	54	40	1620	50	55	39	498	31%
Julio Cesar	865045	865044	8	570	54	38	2340	0	54	38	716	31%
(E) Arturo Valdivia	52293	52291	8	429	44	35	2700	0	44	35	825	31%
(E) Punta Arenas	43601	42691	5	208	23	32	2925	0	24	31	890	30%
Sanchez Fontecilla	53744	53740	8	80	6	45	1800	0	6	45	547	30%
Rojas Magallanes	800880	43841	5	405	39	37	1928	0	40	36	583	30%
Brasil	53139	53140	8	180	22	29	1170	0	22	29	350	30%
(E) Diego Portales	53362	52381	5	689	45	55	3600	161	46	54	1074	30%
(E) Geronimo de Alderete	53161	53073	8	80	22	13	1620	69	22	13	482	30%
(E) Serafin Zamora	53281	53083	6	504	33	55	1800	0	38	48	536	30%
Av. La Florida	52692	52691	4	355	21	60	9000	444	21	60	2676	30%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Rupanco	43784	43785	6	408	42	35	1080	0	48	31	319	30%
Nueva Uno	44916	44915	8	234	19	45	3600	0	19	45	1063	30%
A Vespucio	800530	800510	5	181	14	47	5700	364	14	45	1676	29%
Enrique Olivares	43988	53042	8	260	32	29	1620	40	32	29	463	29%
Rojas Magallanes	53144	53143	6	123	8	55	1800	20	9	49	512	28%
Walker Martinez	53070	53071	4	138	24	21	2160	162	24	21	614	28%
(E) Av. La Florida	53342	53433	4	208	12	60	8100	472	13	60	2297	28%
Rojas Magallanes	53263	53142	6	247	31	29	1080	15	35	26	304	28%
(E) Av. Peru	53139	53131	8	295	38	28	1620	24	38	28	455	28%
(E) Av. Peru	53131	53221	8	430	50	31	1620	24	50	31	454	28%
(E) Lia Aguirre	43773	43774	5	108	12	32	925	135	12	31	258	28%
(E) Lia Aguirre	43774	43775	5	168	19	32	925	135	19	31	258	28%
Lia Aguirre	43775	800590	5	122	14	32	925	135	14	31	258	28%
Rotonda Departamental	800460	800430	4	149	9	60	5400	184	9	60	1501	28%
Av. La Florida	52691	52692	4	355	21	60	9000	472	21	60	2494	28%
Walker Martinez	53371	53271	5	356	39	33	2160	387	40	32	593	27%
Serafin Zamora	43790	43885	6	168	26	23	1080	0	29	21	294	27%
(E) Bacteriologico	52291	52292	8	355	39	33	2700	0	39	33	734	27%
(E) Lia Aguirre	43771	43772	5	258	29	32	925	135	30	31	250	27%
Brasil	53143	53151	8	373	38	35	1170	5	38	35	313	27%
(E) Julio Cesar	865042	865046	8	345	31	40	2160	0	31	40	576	27%
(E) Trinidad	43868	53121	5	535	49	39	2700	235	50	38	718	27%
(A) San Francisco	42984	42883	6	442	29	55	5400	0	32	50	1434	27%
Brasil	53140	53143	8	470	47	36	1080	0	47	36	286	27%
El Parque	44916	44903	6	600	54	40	2160	0	60	36	572	26%
Walker Martinez	43873	43982	4	138	24	21	2160	162	24	21	566	26%
(E) Lia Aguirre	43772	43771	5	258	25	37	1928	135	26	36	504	26%
(A) Julio	42883	865042	8	315	28	40	2160	0	28	40	563	26%
Walker Martinez	53071	53070	4	138	8	60	3600	114	8	60	931	26%
Santa Delia	54305	54304	8	624	61	37	2160	0	61	37	557	26%
(E) Departamental	44919	44920	4	290	17	60	5400	202	17	60	1391	26%
(E) Departamental	44920	54003	4	165	10	60	5400	202	10	60	1391	26%
Enrique Olivares	53264	53241	8	247	31	29	1620	4	31	29	417	26%
Sotero del Rio	43866	53042	8	516	49	38	1620	0	49	38	414	26%
(E) Departamental	44901	44919	4	300	18	60	5400	202	18	60	1376	25%
(E) Diego Portales	52293	52381	5	429	28	55	3600	101	28	54	909	25%
(A) Jardin Alto	53346	865038	8	133	15	33	2160	0	15	33	542	25%
A Vespucio	800450	800470	5	49	4	44	3420	278	4	44	858	25%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
General Arriagada	42882	865045	8	124	12	37	1620	83	12	37	406	25%
Rotonda Vicuña Mackenna	800590	800600	4	86	13	24	7800	803	13	24	1953	25%
(E) Colombia	52391	52392	8	365	29	45	3600	0	29	45	901	25%
(E) Vicuna Mackenna	43709	43794	4	119	23	19	5400	608	23	19	1350	25%
(E) Orompello	53581	54703	8	117	19	22	2160	0	19	22	540	25%
(E) Av. Mexico	53363	53361	8	156	12	45	2700	0	12	45	674	25%
Punta Arenas	43771	43762	8	375	45	30	1620	106	45	30	401	25%
Colombia	53241	53231	8	455	51	32	1620	0	51	32	400	25%
Santa Raquel	43841	43842	8	385	46	30	1620	105	46	30	397	24%
Santa Julia	800820	800780	5	356	26	49	3800	21	26	48	929	24%
(E) Av. Mexico	53354	53352	8	520	42	45	2700	0	42	45	660	24%
Julio Cesar	865046	865045	8	388	47	30	1620	0	47	30	396	24%
Entrelagos	43834	43833	8	442	45	35	4320	0	45	35	1053	24%
Santa Raquel	42984	865041	8	232	24	35	1620	0	24	35	395	24%
(E) Rojas Magallanes	43865	53041	6	525	50	38	2160	5	54	35	526	24%
(E) Manutara	43864	43863	8	429	44	35	4320	0	44	35	1041	24%
(A) Av. Mexico	53362	52572	8	210	17	45	2700	0	17	45	650	24%
(E) Punta Arenas	43796	43797	8	210	32	24	2430	0	32	24	582	24%
(E) Trinidad	43622	43833	5	221	14	55	2700	228	15	54	647	24%
Punta Arenas	43761	43751	8	305	35	31	756	10	35	31	180	24%
(E) Vicuna Mackenna	43794	43799	4	348	36	35	5400	608	36	35	1281	24%
(E) Froilan Roa	44905	44904	8	222	18	45	3600	48	18	45	853	24%
Jose Miguel Carrera	53211	53311	5	380	40	34	1620	28	41	34	381	24%
Rojas Magallanes	43987	53041	6	260	32	29	1080	20	35	27	253	23%
Walker Martinez	53171	53071	5	375	40	34	2160	114	40	34	506	23%
(E) Las Tinajas	53481	53744	8	117	18	24	2340	0	18	24	547	23%
(A) La Salle Sur	865038	865043	8	189	19	36	2340	0	19	36	542	23%
Punta Arenas	800920	43622	5	800	67	43	2160	0	68	43	498	23%
Ecuador	53264	53263	8	442	35	45	3600	0	35	45	829	23%
Punta Arenas	43762	43761	5	252	25	36	1928	80	25	36	442	23%
Departamental	54601	54701	4	286	28	37	1980	0	28	37	452	23%
(E) Colombia	53311	53222	8	312	40	28	3240	0	40	28	735	23%
(E) Las Nalcas	53221	53211	8	300	39	28	2025	24	39	28	457	23%
Enrique Olivares	53141	43988	8	253	20	45	3600	40	20	45	810	22%
Zanjon de la Aguada	54403	54402	8	600	48	45	5400	0	48	45	1214	22%
Zanjon de la Aguada	54504	54403	8	37	3	45	5400	0	3	45	1214	22%
Departamental	54401	54201	4	390	38	37	1980	0	38	37	445	22%
Departamental	54501	54401	4	715	70	37	1980	0	70	37	445	22%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Av. Tobaraba	865012	53762	4	391	29	49	3240	0	29	49	727	22%
(E) Vicuna Mackenna	43809	43785	4	198	26	27	5400	608	26	27	1207	22%
Colombia	53231	53222	8	455	51	32	1620	0	51	32	361	22%
Departamental	54701	54501	4	364	35	37	1980	0	35	37	441	22%
(E) San Jorge	52192	52291	8	480	38	45	3600	0	38	45	801	22%
(E) Millaray	43798	43797	6	204	28	26	2160	0	30	24	475	22%
Walker Martinez	54506	53471	6	169	20	31	1249	183	21	29	275	22%
Walker Martinez	54704	54506	6	234	27	31	1249	183	29	29	274	22%
Walker Martinez	54706	54704	6	377	44	31	1249	183	47	29	274	22%
Santa Raquel	43773	800630	6	468	31	55	3600	0	33	52	786	22%
(E) Zanjón de Aguada	54402	54302	8	416	33	45	5400	0	33	45	1171	22%
Estados Unidos	43987	43988	8	468	37	45	1800	0	37	45	390	22%
Trinidad	53358	53421	5	425	43	36	2160	0	43	36	467	22%
(E) Vicuna Mackenna	800600	43972	4	78	5	60	9000	816	5	60	1943	22%
Bahia Catalina	43621	43602	8	913	89	37	1215	0	89	37	261	22%
(E) Manutara	43866	43843	8	273	22	45	6300	0	22	45	1350	21%
Rojas Magallanes	53143	53144	6	123	23	19	1080	20	25	18	231	21%
Geronimo de Alderete	43863	800720	8	411	33	45	5400	0	33	45	1149	21%
(E) Av. Tobaraba	53671	53685	4	267	16	60	5400	0	16	60	1146	21%
Zanjón de la Aguada	54302	53281	8	559	54	37	3240	0	54	37	685	21%
General Arriagada	52193	43900	8	508	41	45	2700	0	41	45	570	21%
(E) Vicuna Mackenna	43973	43974	4	48	3	60	9000	816	3	60	1888	21%
A Vespucio	800480	800540	12	522	19	99	6150	57	19	99	1289	21%
(E) Av. Mexico	53360	53361	8	390	31	45	2700	0	31	45	566	21%
(A) Alicahue	865037	53478	8	128	13	35	2160	0	13	35	448	21%
(E) Colombia	52381	52371	8	215	17	45	3600	25	17	45	747	21%
Cabildo	43785	43786	8	90	7	45	1800	0	7	45	370	21%
(E) Vicuna Mackenna	43701	43792	4	231	14	60	9000	608	14	60	1848	21%
(E) Vicuna Mackenna	44601	43701	4	114	7	60	9000	608	7	60	1848	21%
(E) Diego Portales	52181	52293	5	481	31	55	3600	101	32	55	739	21%
Sotero del Rio	43842	43844	8	494	44	40	1215	0	44	40	248	20%
Sotero del Rio	43844	43866	8	117	11	40	1215	0	11	40	248	20%
(E) Vicuna Mackenna	43785	43790	4	168	25	24	5400	608	25	24	1094	20%
El Parque	44803	43802	6	150	25	22	3240	0	26	21	652	20%
(E) Jardín Alto	53343	53741	8	390	41	34	1080	0	41	34	216	20%
Jose Miguel Carrera	43834	43822	5	364	34	39	1755	0	34	39	349	20%
Salida A Vespucio	800550	800530	8	141	11	46	1800	0	11	46	356	20%
Trinidad	53222	53221	5	351	38	33	3240	0	39	33	637	20%
Punta Arenas	43751	800890	8	598	60	36	1620	0	60	36	315	19%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Pudeto	43786	43810	8	168	23	26	1080	0	23	26	210	19%
Santa Raquel	42991	42983	8	390	47	30	1620	152	47	30	314	19%
Serafin Zamora	43790	43789	6	114	7	55	1800	0	8	52	349	19%
(E) Froilan Roa	53072	53073	8	222	18	45	3600	0	18	45	694	19%
(E) Las Acacias	43775	43870	8	102	23	16	810	0	23	16	156	19%
El Parque	44903	44803	6	204	13	55	3600	0	14	52	691	19%
(E) Geronimo de Alderete	53073	53161	8	80	6	45	3600	69	6	45	690	19%
Serafin Zamora	43789	43790	6	114	23	18	1080	0	24	17	207	19%
(E) Santa Julia	43986	43963	8	273	36	27	2430	0	36	27	459	19%
(E) San Jorge	52291	52192	8	460	52	32	1620	0	52	32	305	19%
(E) Geronimo de Alderete	43984	43961	8	270	36	27	1620	84	36	27	300	19%
Enrique Olivares	53140	53241	8	127	10	45	3600	24	10	45	653	18%
Cleopatra	42881	42882	8	390	39	36	2340	15	39	36	425	18%
Jose Miguel Carrera	53311	53359	5	598	39	55	2700	58	39	55	485	18%
(E) Pudeto	43810	43807	8	192	23	30	1170	0	23	30	210	18%
Jose Miguel Carrera	43623	43834	5	377	25	55	2700	0	25	55	479	18%
Rafael Matus	865041	42981	8	314	32	35	1620	17	32	35	287	18%
(E) Lo Canas	53672	53763	8	100	18	20	1080	139	18	20	189	18%
Walker Martinez	53171	53371	5	354	23	55	3600	418	23	55	629	17%
Rojas Magallanes	43865	43841	6	455	44	37	1620	5	46	36	277	17%
Walker Martinez	43982	53070	4	360	22	60	3600	162	22	60	614	17%
Vicente Valdes	43983	53072	6	474	41	42	1170	0	42	41	199	17%
(E) Froilan Roa	53071	53072	8	420	34	45	3600	0	34	45	609	17%
A Vespucio	800860	800810	5	272	20	49	3800	323	20	49	641	17%
Bahia Catalina	43602	42691	8	183	15	45	2700	85	15	45	455	17%
(E) Maria Elena	865046	42881	5	96	9	37	2700	104	9	37	453	17%
A Vespucio	800520	800560	5	399	30	48	3420	326	30	48	567	17%
(E) Colombia	52392	52391	8	365	44	30	1620	0	44	30	267	16%
Santa Julia	43864	43963	8	507	55	33	1620	0	55	33	266	16%
Cabildo	43787	43884	8	60	20	11	810	0	20	11	133	16%
Cleopatra	42882	43801	8	570	54	38	2340	15	54	38	379	16%
Alicahue	53472	53471	8	585	62	34	1620	0	62	34	263	16%
(E) Punta Arenas	43793	43796	8	150	12	45	3600	0	12	45	582	16%
(A) San Francisco	42883	42782	6	689	45	55	5400	0	47	53	871	16%
Walker Martinez	54303	53271	6	169	20	31	1249	152	20	30	200	16%
(E) Trinidad	43833	43821	5	455	44	37	2700	228	44	37	431	16%
(E) Trinidad	53478	865040	5	326	29	40	3240	0	29	40	516	16%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Trinidad	865040	53421	5	254	23	40	3240	0	23	40	516	16%
Enrique Olivares	53242	53264	8	118	9	45	3600	4	9	45	572	16%
Enrique Olivares	53141	53140	8	127	10	45	3600	24	10	45	571	16%
(E) Bacteriologico	43800	43802	8	120	24	18	810	0	24	18	128	16%
Trinidad	53421	53358	5	425	28	55	3600	0	28	55	567	16%
(E) Departamental	54701	54601	4	286	19	55	5400	0	19	55	850	16%
Walker Martinez	800610	43873	4	144	9	60	3600	162	9	60	566	16%
(E) Av. Tobalaba	53692	53691	4	182	12	55	7200	0	12	55	1130	16%
(E) San Jorge	52291	52391	8	450	51	32	1620	0	51	32	254	16%
Nueva Uno	44922	54003	8	130	20	23	2160	0	20	23	336	16%
(E) Punta Arenas	43622	43623	5	442	29	55	5400	0	29	55	839	16%
(E) Maria Elena	42983	42982	5	430	28	55	5400	134	28	55	827	15%
(E) Lo Canas	53763	53672	8	100	18	20	1080	139	18	20	165	15%
(E) Av. Peru	53131	53139	8	295	24	45	3600	24	24	45	549	15%
A Vespucio	800630	800700	5	344	25	50	3800	327	25	49	577	15%
A Vespucio	800700	800800	5	365	27	49	3800	327	27	49	577	15%
(E) W. Martinez	53671	54706	6	494	48	37	1850	183	49	36	279	15%
Enrique Olivares	53356	53342	8	338	37	33	1620	0	37	33	244	15%
Enrique Olivares	53356	53242	8	351	28	45	3600	0	28	45	540	15%
(E) Vicuna Mackenna	43795	43709	4	24	1	60	9000	608	1	60	1350	15%
(E) Av. Tobalaba	53742	865012	4	704	52	49	3240	0	52	49	485	15%
Alicahue	53475	53474	8	572	56	37	2160	0	56	37	323	15%
Departamental	800430	54301	4	760	74	37	1980	140	74	37	295	15%
(E) Las Gardenias	43833	43832	8	728	66	40	2340	0	66	40	346	15%
Nueva Uno	43801	43834	8	410	43	34	2160	0	43	34	315	15%
(E) Vicuna Mackenna	43703	43705	4	120	7	60	9000	608	7	60	1305	14%
(E) Vicuna Mackenna	43804	43806	4	66	4	60	9000	608	4	60	1290	14%
(E) San Jorge	53360	52692	8	767	61	45	3600	0	61	45	515	14%
(E) Arturo Valdivia	52291	52293	8	429	44	35	2700	0	44	35	385	14%
Colombia	53311	53302	8	355	44	29	1620	8	44	29	231	14%
Jose Miguel Carrera	43890	53111	5	598	49	44	2340	0	49	44	333	14%
Barcelona	43800	43799	6	126	23	20	1080	0	23	20	153	14%
Don Pepe	43862	43974	8	228	18	45	1800	0	18	45	255	14%
Rojas Magallanes	53142	53143	6	125	8	55	1800	15	8	54	254	14%
(E) Vicuna Mackenna	43792	43703	4	108	6	60	9000	608	6	60	1269	14%
Santa Julia	800830	43851	5	109	11	36	3856	100	11	36	542	14%
Froilan Roa	800560	800570	8	61	20	11	1620	0	20	11	227	14%
(E) Vicuna Mackenna	43806	43782	4	66	4	60	9000	608	4	60	1250	14%
(E) Av. Tobalaba	53671	53763	4	350	36	35	3240	139	36	35	450	14%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Santa Raquel	42983	865041	8	387	37	38	2160	17	37	38	300	14%
(E) Vicuna Mackenna	43790	43875	4	168	10	60	9000	608	10	60	1242	14%
Vicuna Mackenna	43875	800590	4	101	6	60	9000	608	6	60	1242	14%
(E) Vicuna Mackenna	43705	43795	4	24	1	60	9000	608	1	60	1241	14%
Punta Arenas	800900	800920	8	261	30	31	3600	0	30	31	495	14%
Santa Amalia	53231	53131	8	240	35	25	1620	0	35	25	222	14%
Santa Julia	43761	800790	5	303	39	28	3800	152	39	28	518	14%
Membrillar	44804	44904	8	312	35	32	1080	0	35	32	147	14%
A Vespucio	439801	800570	5	400	45	32	3420	389	45	32	466	14%
A Vespucio	438741	439801	5	170	45	14	3420	389	45	14	465	14%
A Vespucio	800610	438741	5	50	45	4	3420	389	45	4	465	14%
Trinidad	53222	53358	5	598	39	55	3600	0	39	55	487	14%
(E) Vicuna Mackenna	43799	43804	4	180	11	60	9000	608	11	60	1214	13%
Santa Amalia	43867	53032	8	520	57	33	1620	0	57	33	218	13%
Estados Unidos	43986	43987	8	364	29	45	1170	0	29	45	157	13%
(E) Vicuna Mackenna	43782	43809	4	120	7	60	9000	608	7	60	1207	13%
(E) Lo Ovalle	43793	43795	8	150	22	25	1080	0	22	25	145	13%
(E) Geronimo de Alderete	53146	43984	8	258	21	45	2160	84	21	45	283	13%
General Arriagada	43900	52193	8	508	55	33	1215	0	55	33	158	13%
El Parque	43802	44803	8	150	12	45	5400	0	12	45	701	13%
(E) San Francisco	42984	52270	6	611	40	55	5400	0	41	54	698	13%
(E) Trinidad	53421	865040	5	254	17	55	5400	0	17	55	694	13%
Rojas Magallanes	53144	43987	6	247	16	55	1800	20	16	54	231	13%
(E) Trinidad	865040	53478	5	326	21	55	5400	0	21	55	690	13%
Walker Martinez	53471	54304	6	598	69	31	1249	152	71	30	159	13%
San Jose de la Estrella	43848	43869	8	377	30	45	3600	4	30	45	456	13%
San Jose de la Estrella	43901	43848	8	520	42	45	3600	4	42	45	456	13%
(E) Punta Arenas	43792	43793	8	290	23	45	5400	40	23	45	683	13%
(E) Bacteriologico	43802	43800	6	120	8	55	1800	0	8	54	227	13%
Geronimo de Alderete	43961	43863	8	294	31	34	3510	0	31	34	442	13%
(A) San Francisco	42883	42984	6	442	29	55	5400	0	29	54	678	13%
(E) Santa Julia	53351	53354	8	338	37	33	3240	84	37	33	405	13%
Walker Martinez	53471	54506	6	169	16	37	1850	183	17	36	231	12%
Santa Raquel	43842	43832	8	364	42	31	1620	105	42	31	201	12%
(E) Maria Elena	43850	52191	5	520	49	38	3240	114	49	38	400	12%
(E) Av. Peru	53139	53141	8	210	32	24	1620	24	32	24	199	12%
(E) Trinidad	43846	43868	5	455	44	37	2700	235	44	37	331	12%
(A) Santa Delia	54306	54305	8	520	49	38	2340	0	49	38	285	12%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(A) Las Palmas	44917	44923	8	260	28	33	1170	0	28	33	142	12%
(E) Departamental	53891	54601	4	1120	82	49	3240	146	82	49	393	12%
Walker Martinez	54506	54704	6	234	25	34	1946	183	25	33	233	12%
San Luis	800910	43842	8	570	79	26	1512	0	79	26	180	12%
(E) Santa Julia	43851	43864	8	351	44	29	2430	0	44	29	289	12%
(E) W. Martinez	54706	53671	6	494	52	34	1946	183	53	34	231	12%
(E) Serafin Zamora	53083	53281	6	504	33	55	1800	0	33	54	214	12%
Walker Martinez	54704	54706	6	377	40	34	1946	183	41	34	231	12%
Santa Julia	800790	800830	5	354	26	49	3800	83	26	49	449	12%
Vicente Valdes	43973	43983	6	264	17	55	1800	0	18	54	211	12%
(E) Los Husares	54702	54701	8	403	43	34	2160	0	43	34	252	12%
Volcan Punitaqui	54703	54702	8	273	32	31	2160	0	32	31	252	12%
Rupanco	43783	43784	6	282	28	36	1170	0	29	36	136	12%
(A) San Francisco	42782	42883	6	689	45	55	5400	0	46	54	625	12%
(E) Av. Mexico	53371	53352	8	676	54	45	1800	9	54	45	208	12%
(E) Colombia	53241	53142	8	455	51	32	2430	0	51	32	280	12%
Volcan Calbuco	54503	54502	8	299	34	32	2160	0	34	32	247	11%
Nueva Uno	44915	44922	8	140	11	45	3600	0	11	45	409	11%
(E) San Antonio	43788	43789	8	108	9	45	1800	0	9	45	203	11%
Walker Martinez	53271	54303	6	169	16	37	2775	152	17	37	313	11%
Jose Miguel Carrera	53511	53359	5	622	41	55	2700	50	41	55	303	11%
Santa Julia	800800	800780	8	172	21	29	1170	131	21	29	131	11%
(E) Geronimo de Alderete	53353	54305	8	338	27	45	5400	0	27	45	598	11%
(E) Av. Mexico	53352	53354	8	520	42	45	2700	0	42	45	295	11%
Alonso de Ercilla	800490	800510	8	90	7	45	3600	0	7	45	386	11%
(E) Punta Arenas	43780	43783	8	258	21	45	5400	0	21	45	579	11%
(E) Santa Raquel	43832	43831	8	52	6	31	1620	105	6	31	173	11%
(E) Punta Arenas	43797	43780	8	258	21	45	5400	0	21	45	577	11%
Santa Amalia	53032	43867	8	520	52	36	2160	0	52	36	230	11%
General Arriagada	42991	42882	8	328	26	45	2700	79	26	45	286	11%
(E) Serafin Zamora	800570	53083	6	516	34	55	1800	0	34	54	191	11%
(E) Maria Elena	42982	42983	5	435	44	36	3240	134	44	36	341	11%
(E) Manutara	43868	43867	8	429	34	45	6300	0	34	45	662	11%
(E) Santa Julia	53354	53351	8	338	37	33	3240	88	37	33	336	10%
(E) Las Gardenias	43832	43833	8	728	69	38	2160	0	69	38	223	10%
A Vespucio	43874	800580	5	38	44	3	3420	351	44	3	352	10%
A Vespucio	43980	43874	5	160	44	13	3420	351	44	13	352	10%
A Vespucio	800560	43980	5	410	44	34	3420	351	44	34	352	10%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
San Jose de la Estrella	43602	43601	8	185	25	27	2160	10	25	27	222	10%
(E) Maria Elena	42781	865046	5	512	50	37	2700	104	50	37	277	10%
(E) Av. Tobalaba	53479	53481	4	67	4	60	5400	0	4	60	547	10%
(E) Av. Tobalaba	53763	53762	4	310	34	33	3240	0	34	33	327	10%
(E) Av. Tobalaba	53480	53479	4	364	22	60	5400	0	22	60	542	10%
(E) Av. Tobalaba	865043	53480	4	220	13	60	5400	0	13	60	542	10%
(E) Trinidad	53478	53346	5	650	43	55	5400	0	43	55	542	10%
(E) Froilan Roa	44923	44901	8	175	29	22	1620	48	29	22	162	10%
(E) Av. Tobalaba	53692	53683	4	138	24	21	3240	0	24	21	323	10%
San Jose de la Estrella	43801	865044	8	154	14	39	2160	10	14	39	215	10%
(E) Colombia	53142	53075	8	377	45	30	2430	0	45	30	238	10%
San Jose de la Estrella	43869	53103	8	536	43	45	3600	4	43	45	351	10%
(E) Colombia	53075	53073	8	520	57	33	2430	0	57	33	237	10%
Walker Martinez	54303	54304	6	130	13	37	1850	152	13	37	180	10%
(E) Geronimo de Alderete	43763	43762	6	234	30	28	3240	0	30	28	314	10%
(E) Garcia Lorca	43789	43774	8	108	9	45	3600	0	9	45	349	10%
Rojas Magallanes	53474	54708	5	390	26	55	1800	15	26	55	174	10%
Walker Martinez	54304	53471	6	598	58	37	1850	152	59	37	178	10%
(E) Av. Tobalaba	53685	53671	4	267	31	31	3240	0	31	31	310	10%
Geronimo de Alderete	800720	800710	8	162	24	24	1170	0	24	24	111	10%
(E) Zanjon de Aguada	54503	54504	8	91	7	45	5400	0	7	45	511	9%
Jose Miguel Carrera	43822	43847	5	520	34	55	2700	0	34	55	255	9%
Luis Calvo Mackenna	43773	43788	6	108	7	55	3600	0	7	55	341	9%
Geronimo de Alderete	800750	800740	8	39	6	23	1800	0	6	23	169	9%
Perpetua Freire	53261	53251	8	500	58	31	756	68	58	31	71	9%
Geronimo de Alderete	800740	800730	8	160	24	24	1800	0	24	24	167	9%
Salida A Vespucio	800480	800490	8	225	17	48	1800	0	17	48	167	9%
General Arriagada	42682	865045	8	483	47	37	1620	83	47	37	150	9%
General Arriagada	865045	42882	8	124	12	37	1620	83	12	37	150	9%
Luis Calvo Mackenna	43788	43773	6	108	22	18	2160	0	22	18	200	9%
(E) Trinidad	43846	43821	5	494	47	38	2700	226	47	38	245	9%
Geronimo de Alderete	54305	53472	8	390	31	45	3600	0	31	45	326	9%
Cabildo	43786	43787	8	60	5	45	1800	0	5	45	162	9%
Colombia	52391	52381	8	405	32	45	3600	0	32	45	324	9%
(E) Maria Elena	42983	42881	5	337	37	33	3240	0	37	33	292	9%
(E) Trinidad	53121	43868	5	535	49	39	2700	226	49	39	241	9%
(A) Maria Angelica	865030	865028	8	959	123	28	2160	0	123	28	191	9%
(E) El Hualle	53960	53673	8	220	27	29	2160	139	27	29	188	9%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Walker Martinez	53271	53371	5	356	23	55	3600	91	23	55	313	9%
(E) Geronimo de Alderete	43762	43763	6	234	23	36	3780	0	24	36	326	9%
El Parque	44916	800490	8	228	18	45	3600	0	18	45	308	9%
(E) Santa Julia	53151	53075	8	117	25	17	2430	20	25	17	207	9%
(E) Las Perdices	53892	53891	8	440	45	35	2160	127	45	35	184	9%
Perpetua Freire	53251	53261	8	530	62	31	756	64	62	31	64	8%
(E) Jardin Alto	53741	53343	8	390	31	45	1800	0	31	45	151	8%
(E) Santa Raquel	43831	43821	8	455	51	32	1620	105	51	32	135	8%
(E) Maria Elena	42982	43850	5	442	29	55	5400	114	29	55	450	8%
Enrique Olivares	53342	53356	8	338	27	45	3600	0	27	45	297	8%
(A) Las Palmas	44922	44918	8	165	13	45	1800	0	13	45	148	8%
(E) Punta Arenas	43700	43711	8	115	24	17	2430	0	24	17	198	8%
(E) San Jorge	52391	53360	8	663	63	38	1620	0	63	38	130	8%
Santa Julia	800820	800810	8	154	16	35	1170	79	16	35	93	8%
Santa Julia	800810	800830	8	153	16	34	1170	17	16	34	92	8%
Las Perdices	53981	53892	8	440	43	37	2340	127	43	37	184	8%
(E) Geronimo de Alderete	53161	53146	8	327	26	45	3600	84	26	45	281	8%
(E) Santa Julia	43986	53145	8	234	34	25	2430	0	34	25	189	8%
(A) Las Palmas	44918	44917	8	295	24	45	1800	0	24	45	138	8%
Las Perdices	53892	53981	8	440	43	37	2340	127	43	37	179	8%
(E) Rojas Magallanes	53041	43865	6	525	50	38	2160	5	50	38	162	8%
(E) Rojas Magallanes	865014	53741	5	242	16	55	2340	15	16	55	176	8%
Enrique Olivares	53475	53343	8	598	48	45	3600	0	48	45	270	7%
Ecuador	53262	53263	8	390	31	45	4500	0	31	45	334	7%
(E) Santa Julia	53354	53251	8	350	28	45	5400	84	28	45	400	7%
(E) Av. Tobalaba	54601	53691	4	432	26	60	5400	9	26	60	398	7%
Enrique Olivares	53042	43988	8	260	21	45	3600	40	21	45	265	7%
(E) Trinidad	43821	43846	5	494	32	55	4500	235	32	55	331	7%
(E) Santa Julia	53251	53262	8	179	14	45	5400	20	14	45	395	7%
Mirador Azul	44802	44902	8	126	25	18	1620	0	25	18	117	7%
(E) Zanjon de Aguada	54703	54503	8	351	28	45	5400	0	28	45	386	7%
Walker Martinez	53071	53171	5	372	39	34	2160	114	39	34	154	7%
Rojas Magallanes	54708	53474	5	390	26	55	1800	31	26	55	128	7%
San Jose de la Estrella	43801	43901	8	370	44	30	1620	9	44	30	115	7%
Luis Calvo Mackenna	43788	43785	6	240	31	28	2160	0	31	28	150	7%
(E) Trinidad	43821	43833	5	455	30	55	4500	228	30	55	309	7%
(E) Serafin Zamora	53083	800570	6	516	49	38	1080	0	49	38	74	7%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Las Acacias	43863	43862	8	156	12	45	5400	0	12	45	366	7%
(E) Maria Elena	42881	42983	5	340	37	33	3240	0	37	33	219	7%
(A) Santa Julia	865011	865012	8	375	30	45	3600	0	30	45	242	7%
Jardin Alto	53741	865011	8	340	27	45	3600	0	27	45	242	7%
Santa Amalia	53131	53231	8	237	34	25	1620	0	34	25	109	7%
(E) Froilan Roa	44905	44906	8	215	17	45	3600	0	17	45	239	7%
(A) Nueva Manutara	43850	43900	8	390	41	34	2160	0	41	34	141	7%
(E) El Hualle	53672	53673	8	310	35	32	2160	139	35	32	141	7%
(E) El Hualle	53673	53960	8	220	27	29	2160	139	27	29	141	7%
General Arriagada	42882	42991	8	320	41	28	1215	79	41	28	79	6%
Enrique Olivares	53342	53475	8	832	67	45	3600	0	67	45	232	6%
(E) Geronimo de Alderete	43961	43984	8	270	31	31	2160	84	31	31	139	6%
(E) Santa Julia	53151	53145	8	117	25	17	2430	0	25	17	156	6%
Santa Raquel	43851	43841	8	342	42	29	1620	100	42	29	102	6%
Colombia	53302	52392	8	275	22	45	3600	0	22	45	223	6%
San Jose de la Estrella	43901	43801	8	370	30	45	3600	9	30	45	223	6%
Nva Exeq. Fdez.	44801	44802	8	385	41	34	2160	0	41	34	133	6%
(E) Plaza Vespucio	43882	44905	6	366	39	34	2160	0	39	34	133	6%
Diagonal Los Castaños	54201	53391	8	440	51	31	756	46	51	31	46	6%
Volcan Calbuco	54502	54503	8	299	34	32	2160	0	34	32	131	6%
Salida A Vespucio	800850	800870	8	61	5	44	1800	0	5	44	109	6%
Paso El Roble	43808	43881	8	54	4	45	3600	0	4	45	216	6%
(E) Colombia	53222	53311	8	312	40	28	3240	0	40	28	194	6%
(E) Maria Elena	52191	43850	5	520	34	55	5400	114	34	55	322	6%
(E) Maria Elena	43850	42982	5	442	29	55	5400	114	29	55	321	6%
Santa Amalia	43867	43845	8	312	31	36	1620	0	31	36	96	6%
Santa Julia	800790	800800	8	171	21	29	1170	69	21	29	69	6%
Entrelagos	43833	43834	8	442	45	35	4320	0	45	35	251	6%
Geronimo de Alderete	53353	53352	8	390	45	31	2340	0	45	31	136	6%
(E) Av. Tobalaba	53683	53685	4	208	12	60	5400	0	12	60	311	6%
Santa Amalia	53033	53032	8	208	31	24	1620	0	31	24	93	6%
(E) Maria Elena	865046	42781	5	512	41	45	2925	104	41	45	167	6%
El Parque	44803	44903	8	204	32	23	1620	0	32	23	92	6%
Geronimo de Alderete	43863	43961	8	294	39	27	2430	0	39	27	135	6%
(E) Maria Elena	42881	865046	5	96	8	45	2925	104	8	45	162	6%
Luis Calvo Mackenna	43785	43788	6	240	16	55	3600	0	16	55	200	6%
(E) Santa Julia	53262	53075	8	234	34	25	2430	20	34	25	134	6%
Rojas Magallanes	865014	54708	5	122	8	55	2340	31	8	55	129	5%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Trinidad	43868	43846	5	455	30	55	4500	226	30	55	245	5%
(A) Av. Las Perdices	865015	53900	6	165	12	48	3510	0	12	48	191	5%
(E) Av. Tobalaba	53691	53692	4	182	12	55	7200	0	12	55	390	5%
(E) Pudeto	43805	43800	8	96	16	22	1170	0	16	22	63	5%
(E) Santa Julia	53075	53262	8	234	19	45	5400	20	19	45	290	5%
(A) Maria Angelica	865028	865016	8	523	42	45	3600	0	42	45	191	5%
Av. Macul	865016	865015	8	698	56	45	3600	0	56	45	191	5%
Mirador Azul	43791	43794	8	225	32	25	1512	0	32	25	80	5%
San Jose de la Estrella	53363	53302	8	637	60	38	2160	0	60	38	113	5%
(E) El Hualle	53673	53672	8	310	25	45	3600	139	25	45	188	5%
San Jose de la Estrella	53103	43869	8	536	58	33	1620	13	58	33	84	5%
Guacolda	42981	52181	8	965	91	38	810	12	91	38	42	5%
Paso El Roble	43807	43808	8	78	6	45	3600	0	6	45	187	5%
(E) Departamental	54501	54701	4	364	24	55	5400	0	24	55	280	5%
Geronimo de Alderete	800730	43863	8	411	42	35	3240	0	42	35	167	5%
General Arriagada	865045	42682	8	483	47	37	1620	83	47	37	83	5%
Trinidad	53121	53221	6	520	49	38	2160	0	49	38	109	5%
Volcan Calbuco	54502	54501	8	325	35	33	2160	0	35	33	108	5%
(E) Departamental	54601	53891	4	1120	67	60	5400	160	67	60	271	5%
(E) Las Perdices	53891	53892	8	440	35	45	3600	127	35	45	179	5%
(E) Zanjon de Aguada	54504	54503	8	91	7	45	5400	0	7	45	267	5%
Jose Miguel Carrera	53359	53511	5	622	56	40	1620	58	56	40	79	5%
(E) Av. Mexico	53354	53355	8	416	42	36	1170	0	42	36	57	5%
Rojas Magallanes	54708	865014	5	122	8	55	3600	15	8	55	174	5%
Ecuador	53263	53264	8	442	43	37	2340	0	43	37	113	5%
El Parque	44903	44916	8	600	48	45	3600	0	48	45	170	5%
Diag. Santa Elena	53581	53471	8	615	71	31	756	0	71	31	35	5%
Zanjon de la Aguada	53281	54302	8	559	45	45	5400	0	45	45	241	4%
(E) San Jorge	52391	52291	8	453	36	45	3600	0	36	45	156	4%
Alicahue	53476	53475	8	260	31	30	2160	0	31	30	93	4%
(E) Millaray	43799	43798	6	210	14	55	3600	0	14	55	153	4%
Las Acacias	43871	438701	8	96	23	15	2430	0	23	15	103	4%
(E) Pudeto	43800	43805	8	96	8	45	1800	0	8	45	76	4%
Membrillar	43805	43804	8	144	12	45	1800	0	12	45	76	4%
Nueva Santa Cruz	43984	43983	8	330	26	45	2160	0	26	45	89	4%
(A) Alicahue	53478	865037	8	128	10	45	3600	0	10	45	148	4%
Enrique Olivares	53264	53242	8	118	9	45	3600	24	9	45	148	4%
Las Higueras	53391	54502	8	715	78	33	1134	46	78	33	47	4%
(A) Nueva Manutara	43900	43850	8	390	41	34	2160	0	41	34	89	4%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Sanchez Fontecilla	53740	53744	8	80	6	45	1800	0	6	45	73	4%
San Pedro	52392	52292	8	440	35	45	1800	0	35	45	73	4%
Las Higueras	53691	54702	8	455	50	33	1134	46	50	33	46	4%
Las Higueras	54502	54702	8	338	37	33	1134	46	37	33	46	4%
Las Higueras	54702	53691	8	455	50	33	1134	46	50	33	46	4%
Las Higueras	54702	54502	8	338	37	33	1134	46	37	33	46	4%
El Hualle	53743	53740	8	80	14	20	2340	0	14	20	95	4%
Enrique Olivares	53242	53356	8	351	28	45	3600	20	28	45	144	4%
(E) San Jorge	53360	52391	8	663	53	45	3600	0	53	45	141	4%
(E) Departamental	54401	54501	4	715	47	55	5400	0	47	55	212	4%
(E) Departamental	54201	54401	4	390	26	55	5400	0	26	55	211	4%
(E) Santa Julia	53251	53354	8	350	38	33	3240	88	38	33	125	4%
Rolando Froden	53081	53085	8	366	43	31	2160	48	43	31	83	4%
(E) Santa Julia	53075	53151	8	117	9	45	5400	20	9	45	205	4%
Nueva Santa Cruz	43983	43984	8	330	26	45	2160	0	26	45	81	4%
Cleopatra	42882	42881	8	388	47	30	1620	15	47	30	61	4%
Barcelona	43799	43800	8	126	10	45	1800	0	10	45	67	4%
Salida A Vespucio	800640	800620	8	117	9	47	1800	0	9	47	67	4%
(E) Av. Mexico	53355	53356	8	442	45	35	1080	0	45	35	40	4%
(E) Av. Mexico	53356	53357	8	442	45	35	1620	20	45	35	60	4%
(E) Av. Mexico	53357	53358	8	507	51	36	1080	0	51	36	40	4%
(E) Geronimo de Alderete	43984	53146	8	258	21	45	3600	84	21	45	131	4%
Av. Central	53765	53960	8	237	28	31	756	27	28	31	27	4%
Av. Central	53765	53962	8	188	22	31	756	27	22	31	27	4%
Av. Central	53960	53765	8	237	28	31	756	27	28	31	27	4%
Av. Central	53961	53962	8	255	30	31	756	27	30	31	27	4%
Av. Central	53962	53765	8	188	22	31	756	27	22	31	27	4%
Av. Central	53962	53961	8	255	30	31	756	27	30	31	27	4%
Alicahue	53474	53475	8	572	56	37	2160	0	56	37	77	4%
Mauro	43706	43708	8	150	12	45	1800	0	12	45	64	4%
(E) Departamental	53900	53891	4	650	39	60	5400	0	39	60	191	4%
(E) Santa Julia	53145	53151	8	117	9	45	5400	0	9	45	189	3%
(E) Pudeto	43807	43805	8	192	15	45	1800	0	15	45	63	3%
Rojas Magallanes	43841	800880	5	405	50	29	1330	0	50	29	46	3%
(E) Santa Julia	43963	43986	8	273	22	45	5400	0	22	45	185	3%
(E) Las Tinajas	53744	53481	8	117	19	22	2160	0	19	22	73	3%
Geronimo de Alderete	53073	53261	8	270	31	31	3600	69	31	31	122	3%
Trinidad	53221	53222	5	351	38	33	3240	0	38	33	109	3%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
San Jose de la Estrella	43869	43848	8	377	45	30	1620	13	45	30	53	3%
(E) Froilan Roa	44902	44923	8	115	24	17	1620	48	24	17	53	3%
Bahia Inglesa	52371	52572	8	655	87	27	756	25	87	27	25	3%
Bahia Inglesa	52572	52371	8	662	92	26	756	25	92	26	25	3%
(A) Alicahue	53477	865033	8	97	10	35	2160	0	10	35	70	3%
(A) Alicahue	865033	865037	8	213	22	35	2160	0	22	35	70	3%
Santa Amalia	53231	53357	8	533	43	45	3600	7	43	45	116	3%
(E) Mirador Azul	44902	44913	8	198	16	45	3600	0	16	45	116	3%
(E) Rojas Magallanes	53741	865014	5	242	16	55	3600	31	16	55	115	3%
(A) Jardin Alto	865038	53346	8	133	15	33	2160	0	15	33	68	3%
Santa Amalia	43845	43831	8	494	49	36	1620	0	49	36	50	3%
(E) Lo Ovalle	43795	43793	8	150	20	27	1170	0	20	27	36	3%
Concepcion	43982	43983	8	438	45	35	1080	0	45	35	33	3%
Santa Amalia	43845	43867	8	312	25	45	3600	0	25	45	110	3%
El Hualle	53740	53743	8	80	14	20	2340	0	14	20	70	3%
(A) El Nazareno	43981	53080	8	360	29	45	1800	0	29	45	54	3%
(E) Calle Uno	53080	53081	8	180	14	45	1800	0	14	45	54	3%
San Jose de la Estrella	43601	865044	8	336	27	45	3600	10	27	45	106	3%
San Pedro	52292	52194	8	580	61	34	810	0	61	34	24	3%
(E) Bacteriologico	52292	52291	8	355	39	33	2700	0	39	33	79	3%
Venezuela	53243	53242	8	433	45	35	1080	4	45	35	32	3%
(E) Colombia	53073	53075	8	520	57	33	2430	0	57	33	71	3%
(E) Av. Tobalaba	53762	865012	4	391	29	49	3240	0	29	49	95	3%
(A) La Salle Sur	865043	865038	8	189	19	36	2340	0	19	36	68	3%
(E) Santa Julia	53145	43986	8	234	19	45	5400	0	19	45	156	3%
Av. Macul	865015	865016	8	698	90	28	2160	0	90	28	60	3%
Bellavista	43787	43811	8	198	25	28	1080	0	25	28	30	3%
Nueva Uno	54003	44922	8	130	10	45	3600	0	10	45	100	3%
(E) Julio Vildosola	43981	43982	8	222	33	24	1620	0	33	24	45	3%
Cleopatra	43801	42882	8	570	54	38	2340	15	54	38	64	3%
(E) Bacteriologico	53211	53201	8	400	46	31	2025	4	46	31	55	3%
Desnivel Walker Martinez	53471	53371	6	1230	130	34	1553	31	130	34	42	3%
(E) Santa Julia	53262	53251	8	179	14	45	5400	20	14	45	146	3%
Venezuela	53251	53243	8	380	40	34	1080	0	40	34	29	3%
El Hualle	53742	53740	8	20	9	8	2340	0	9	8	62	3%
Julio Vildosola	43887	43980	8	130	10	45	3600	0	10	45	95	3%
Julio Vildosola	43980	439801	8	50	4	45	3600	0	4	45	95	3%
(E) Julio Vildosola	439801	43981	8	132	11	45	3600	0	11	45	94	3%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(A) Alicahue	865033	53477	8	97	8	45	3600	0	8	45	93	3%
(A) Alicahue	865037	865033	8	213	17	45	3600	0	17	45	93	3%
Alicahue	53477	53476	8	195	16	45	3600	0	16	45	93	3%
Santa Amalia	53131	53033	8	394	32	45	3600	0	32	45	93	3%
Bellavista	43811	43808	8	180	22	29	1170	0	22	29	30	3%
(E) Geronimo de Alderete	53146	53161	8	327	26	45	3600	84	26	45	92	3%
(E) Ormpello	54703	53581	8	117	19	22	2160	0	19	22	54	3%
(E) Las Acacias	43862	43871	8	282	23	45	5400	0	23	45	134	2%
(A) Julio	865042	42883	8	315	28	40	2160	0	28	40	53	2%
(E) Julio Cesar	865046	865042	8	345	31	40	2160	0	31	40	53	2%
Rolando Froden	53085	53081	8	366	40	33	2160	48	40	33	53	2%
San Jose de la Estrella	53502	53363	8	637	51	45	3600	0	51	45	87	2%
Geronimo de Alderete	53352	53353	8	390	45	31	1620	0	45	31	39	2%
(E) Zanjon de Aguada	53692	54703	8	585	47	45	5400	0	47	45	128	2%
Julio Cesar	865045	865046	8	390	39	36	2340	0	39	36	53	2%
El Hualle	53743	53960	8	740	70	38	2160	0	70	38	49	2%
Rolando Froden	53085	53282	8	629	71	32	2160	48	71	32	49	2%
(E) Froilan Roa	44906	800560	8	193	30	23	1620	0	30	23	36	2%
(E) Plaza Vespuccio	44905	43882	6	366	34	39	2340	0	34	39	52	2%
(E) Froilan Roa	44923	44902	8	115	24	17	1620	0	24	17	35	2%
Julio Cesar	865044	865045	8	570	54	38	2340	0	54	38	50	2%
Nueva Uno	43834	43801	8	410	41	36	2340	0	41	36	50	2%
Alicahue	53476	53477	8	195	16	45	3600	0	16	45	75	2%
Santa Amalia	53357	53231	8	533	58	33	1620	27	58	33	34	2%
San Pedro	53361	52392	8	598	58	37	1080	0	58	37	23	2%
(E) Av. Tobalaba	53480	865043	4	220	22	36	3240	0	22	36	68	2%
(E) Rojas Magallanes	53742	53741	5	624	41	55	3600	0	41	55	75	2%
(E) San Francisco	53669	53684	8	312	35	32	2160	0	35	32	44	2%
(A) Nueva Tres	44913	44917	8	105	16	23	1170	0	16	23	24	2%
San Pedro	52194	52292	8	570	46	45	1800	0	46	45	36	2%
Santa Delia	54307	54306	8	429	44	35	2160	0	44	35	43	2%
(E) San Francisco	53981	865025	8	171	14	45	3600	0	14	45	71	2%
(E) San Francisco	865025	53669	8	352	28	45	3600	0	28	45	71	2%
(E) Vecinal	54402	54301	4	650	78	30	2160	0	78	30	43	2%
Nueva Santa Cruz	43986	43984	8	360	39	33	2160	0	39	33	43	2%
Alicahue	53475	53476	8	260	21	45	3600	0	21	45	70	2%
Las Pataguas	44916	44906	8	340	35	35	1170	0	35	35	23	2%
San Pedro	52392	53361	8	598	58	37	1080	0	58	37	21	2%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Chacon Zamora	54302	54303	8	988	89	40	2160	0	89	40	41	2%
(E) Chacon Zamora	54301	54302	8	325	35	33	2160	0	35	33	40	2%
(E) Froilan Roa	800570	53081	8	384	31	45	3600	0	31	45	65	2%
(E) Bacteriologico	53201	52292	8	310	35	32	2700	0	35	32	48	2%
(A) Nueva Tres Eugenia	44917	44919	8	165	23	26	1080	0	23	26	19	2%
(A) Rojas Magallanes	43705	43706	8	48	4	45	3600	0	4	45	64	2%
(A) Rojas Magallanes	865020	53963	5	256	18	50	2340	0	18	50	41	2%
Volcan Calbuco	54501	54502	8	325	35	33	2160	0	35	33	37	2%
Don Pepe	43974	43862	8	228	28	29	1080	0	28	29	18	2%
(E) Av. Tobalaba	865012	53742	4	704	52	49	3240	0	52	49	55	2%
San Jose de la Estrella	53201	53103	8	485	55	32	1620	8	55	32	27	2%
(A) Rojas Magallanes	53971	865020	5	1200	86	50	2340	0	86	50	40	2%
Santa Amalia	53357	53431	8	462	52	32	1620	27	52	32	27	2%
Mirador Azul	43791	44802	8	414	33	45	3600	0	33	45	59	2%
San Pedro	52393	53501	8	130	20	23	1080	0	20	23	18	2%
Fresia	43772	43763	8	360	29	45	3600	0	29	45	59	2%
Desnivel Walker Martinez	53371	53471	6	1231	130	34	1946	31	130	34	31	2%
(E) Zanjon de Aguada	54302	54402	8	416	33	45	5400	0	33	45	86	2%
Palena	53683	54705	8	325	38	31	756	0	38	31	12	2%
Zanjon de la Aguada	54402	54403	8	600	48	45	5400	0	48	45	85	2%
Zanjon de la Aguada	54403	54504	8	37	3	45	5400	0	3	45	85	2%
San Jose de la Estrella	865044	43801	8	154	12	45	3600	10	12	45	56	2%
El Manzano	43704	43703	8	150	22	25	2340	0	22	25	36	2%
Jardin Alto	865011	53741	8	340	31	40	2160	0	31	40	33	2%
San Jose de la Estrella	43848	43901	8	520	42	45	3600	13	42	45	53	1%
(A) W. Martinez	53669	53671	6	447	43	37	1850	0	43	37	27	1%
Nva Exeq. Fdez.	44802	44803	8	270	22	45	3600	0	22	45	49	1%
(E) Av. Tobalaba	53481	53479	4	67	4	60	5400	0	4	60	73	1%
Alonso de Ercilla	800510	53083	8	246	20	45	3600	0	20	45	47	1%
Lientur	54705	54706	8	455	47	35	1080	0	47	35	14	1%
San Jose de la Estrella	53302	53201	8	405	47	31	1620	4	47	31	21	1%
(E) Av. Tobalaba	53479	53480	4	364	22	60	5400	0	22	60	68	1%
(E) Trinidad	53346	53478	5	650	43	55	5400	0	43	55	68	1%
General Arriagada	43849	42991	8	520	51	37	1215	0	51	37	15	1%
General Arriagada	43900	43849	8	364	35	37	1215	0	35	37	15	1%
Vicente Valdes	53072	53172	6	318	31	37	1170	0	31	37	15	1%
(A) W. Martinez	53671	53669	6	447	47	34	1850	0	47	34	23	1%
Enrique Olivares	53343	53475	8	598	48	45	3600	0	48	45	44	1%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) San Francisco	53684	53685	8	169	14	45	3600	0	14	45	44	1%
Nueva Santa Cruz	43984	43986	8	360	39	33	2160	0	39	33	25	1%
Rupanco	43785	43784	8	408	43	34	1080	0	43	34	13	1%
(A) Rojas Magallanes	53964	53967	5	364	24	55	3600	0	24	55	42	1%
(A) Rojas Magallanes	53967	53965	5	104	7	55	3600	0	7	55	42	1%
(A) Rojas Magallanes	53767	53766	5	60	4	55	3600	0	4	55	42	1%
(A) Rojas Magallanes	53965	53767	5	78	5	55	3600	0	5	55	42	1%
Rojas Magallanes	53766	53743	5	78	5	55	3600	0	5	55	42	1%
(A) Av. Las Perdices	53900	865015	6	165	11	55	5400	0	11	55	60	1%
(E) Departamental	53891	53900	4	650	39	60	5400	0	39	60	60	1%
(A) Santa Julia	865012	865011	8	375	30	45	3600	0	30	45	40	1%
Paso El Roble	43806	43807	8	132	11	45	3600	0	11	45	40	1%
(A) Rojas Magallanes	54004	53971	5	832	54	55	3600	0	54	55	40	1%
San Pedro	53361	52393	8	520	42	45	1800	0	42	45	18	1%
(A) Nueva Cuatro	44918	44920	8	125	20	23	1080	0	20	23	10	1%
Santa Raquel	865041	42984	8	232	22	38	2160	0	22	38	20	1%
Geronimo de Alderete	53261	53352	8	481	56	31	2340	0	56	31	22	1%
Santa Amalia	43831	43845	8	494	49	36	2160	0	49	36	20	1%
Alicahue	53474	53473	8	377	40	34	2160	0	40	34	20	1%
Santa Amalia	53431	53357	8	462	37	45	3600	27	37	45	32	1%
Jardin Alto	54706	54707	8	468	47	36	2160	0	47	36	19	1%
(A) Rojas Magallanes	53967	53964	5	364	34	39	2340	0	34	39	20	1%
San Jose de la Estrella	53103	53201	8	505	55	33	1620	8	55	33	13	1%
(E) Rafael Matus	865041	865042	8	568	58	35	1620	0	58	35	13	1%
(A) Av. Las Perdices	53963	53964	6	104	7	55	5400	0	7	55	42	1%
Guacolda	52181	42981	8	977	78	45	1800	12	78	45	13	1%
Alicahue	53473	53472	8	598	58	37	2160	0	58	37	15	1%
Nueva Uno	44922	44915	8	140	11	45	3600	0	11	45	25	1%
(E) San Antonio	43789	43788	8	108	9	45	1800	0	9	45	13	1%
(E) Av. Peru	53141	53139	8	210	17	45	3600	24	17	45	25	1%
Alicahue	54505	53471	8	468	53	32	810	0	53	32	5	1%
(E) San Francisco	53669	865025	8	352	28	45	3600	0	28	45	23	1%
(E) San Francisco	865025	53981	8	171	14	45	3600	0	14	45	23	1%
Venezuela	53243	53251	8	380	38	36	1170	0	38	36	7	1%
(E) Santa Amalia	865039	53431	8	426	43	36	1620	0	43	36	10	1%
San Jose de la Estrella	53201	53302	8	400	46	31	1620	4	46	31	9	1%
(A) Rojas Magallanes	53766	53767	5	60	4	55	3600	0	4	55	20	1%
(A) Rojas Magallanes	53767	53965	5	78	5	55	3600	0	5	55	20	1%
(A) Rojas Magallanes	53965	53967	5	104	7	55	3600	0	7	55	20	1%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Rojas Magallanes	53743	53766	5	122	8	55	3600	0	8	55	20	1%
(A) Av. Paseo Pie Andino	54001	54002	4	221	13	60	7200	0	13	60	40	1%
(A) Av. Paseo Pie Andino	54002	54004	4	260	16	60	7200	0	16	60	40	1%
(A) Av. Paseo Pie Andino	865030	865031	4	726	44	60	7200	0	44	60	40	1%
(A) Av. Paseo Pie Andino	865031	54001	4	992	60	60	7200	0	60	60	40	1%
(E) Fresia	43784	43772	8	240	29	30	2160	0	29	30	11	1%
(A) Santa Julia	54306	53351	8	325	35	33	3240	0	35	33	16	0%
Vicente Valdes	53172	53072	6	318	31	37	1170	0	31	37	6	0%
(A) Rojas Magallanes	53963	865020	5	256	17	55	3600	0	17	55	17	0%
(A) Santa Sofia	865020	865021	8	378	30	45	3600	0	30	45	17	0%
Jardin Alto	54707	54510	8	144	12	45	3600	0	12	45	17	0%
Santa Julia	54510	865013	8	468	37	45	3600	0	37	45	17	0%
(E) Zanjon de Aguada	54503	54703	8	351	28	45	5400	0	28	45	25	0%
(E) Garcia Lorca	43774	43789	8	108	9	45	3600	0	9	45	16	0%
Santa Julia	865013	865014	8	356	28	45	3600	0	28	45	15	0%
Alicahue	53471	53472	8	585	57	37	2160	0	57	37	9	0%
Nueva Uno	44915	44916	8	234	26	32	2340	0	26	32	10	0%
Santa Julia	53473	54306	8	494	40	45	3600	0	40	45	15	0%
(A) Av. Las Perdices	53964	53963	6	104	7	55	5400	0	7	55	20	0%
Venezuela	53242	53243	8	433	45	35	1080	4	45	35	4	0%
(A) El Nazareno	53080	43981	8	360	39	33	1080	0	39	33	4	0%
Don Pepe	43860	43862	8	360	39	33	1080	0	39	33	4	0%
(E) Atahualpa	43782	43781	8	342	27	45	3600	0	27	45	13	0%
(E) Santa Amalia	53477	865039	8	329	33	36	1620	0	33	36	5	0%
(E) Rojas Magallanes	53741	53742	5	624	56	40	2160	0	56	40	7	0%
(A) Santa Delia	54305	54306	8	520	52	36	2160	0	52	36	7	0%
(A) Santa Ines	53479	53344	8	247	28	32	1755	0	28	32	6	0%
Geronimo de Alderete	53352	53261	8	481	56	31	3600	9	56	31	11	0%
Santa Ines	53344	53476	8	624	58	39	1755	0	58	39	5	0%
(E) Fresia	43781	43784	8	282	23	45	3600	0	23	45	11	0%
(A) Santa Ines	53344	53479	8	247	30	30	1620	0	30	30	5	0%
Alicahue	54504	54505	8	130	10	45	1800	0	10	45	5	0%
(E) Santa Julia	54508	53473	8	234	19	45	3600	0	19	45	11	0%
(E) Jardin Alto	53343	53344	8	351	28	45	1800	0	28	45	5	0%
(A) Santa Julia	865013	54508	8	147	12	45	3600	0	12	45	10	0%
(E) Araucania	54507	54506	8	546	53	37	1080	0	53	37	3	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Geronimo de Alderete	53472	54305	8	390	31	45	3600	0	31	45	9	0%
(E) Calle Uno	53081	53080	8	180	14	45	1800	0	14	45	4	0%
(E) Orompello	54704	53581	8	442	45	35	1080	0	45	35	2	0%
(A) Santa Julia	865011	865013	8	290	23	45	3600	0	23	45	7	0%
(A) Los Curas	865032	865039	8	100	10	35	2160	0	10	35	4	0%
(A) Los Curas	865036	865032	8	211	22	35	2160	0	22	35	4	0%
(A) Los Curas	865040	865036	8	125	13	35	2160	0	13	35	4	0%
Alonso de Ercilla	53083	53085	8	492	54	33	1620	0	54	33	3	0%
(A) Alonso de Ercilla	53085	53171	8	330	41	29	1620	0	41	29	3	0%
San Jose de la Estrella	53302	53363	8	637	51	45	3600	0	51	45	5	0%
Cabildo	43884	43787	8	60	5	45	1800	0	5	45	3	0%
Lientur	54706	54705	8	455	47	35	1080	0	47	35	1	0%
Cabildo	43787	43786	8	60	5	45	1800	0	5	45	2	0%
Santa Amalia	53033	53131	8	394	47	30	1620	0	47	30	2	0%
(E) Geronimo de Alderete	54305	53353	8	338	42	29	2430	0	42	29	2	0%
San Pedro	52393	53361	8	520	52	36	1080	0	52	36	1	0%
Jardin Alto	54707	54706	8	468	47	36	2160	0	47	36	2	0%
(E) Froilan Roa	44901	44923	8	175	29	22	1620	0	29	22	1	0%
San Jose de la Estrella	53363	53502	8	637	60	38	2160	0	60	38	2	0%
Geronimo de Alderete	53472	54507	8	286	23	45	3600	0	23	45	3	0%
(E) Atahualpa	43781	43780	8	240	29	30	2160	0	29	30	2	0%
Santa Delia	54304	54305	8	624	58	39	2340	0	58	39	2	0%
Punitaqui	54402	53391	8	260	31	30	2160	0	31	30	1	0%
Alicahue	53472	53473	8	598	58	37	2160	0	58	37	1	0%
(E) Santa Raquel	800740	43851	8	420	42	36	2340	0	42	36	1	0%
(E) Froilan Roa	44904	44905	8	222	33	24	1620	0	33	24	1	0%
(A) Av. Las Perdices	53902	53901	6	624	41	55	5400	0	41	55	3	0%
(A) Av. Las Perdices	53961	53902	6	390	26	55	5400	0	26	55	3	0%
(A) Av. Las Perdices	53963	53961	6	585	38	55	5400	0	38	55	3	0%
Araucania	54708	54508	8	390	31	45	1800	0	31	45	1	0%
San Pedro	53501	52393	8	130	10	45	1800	0	10	45	1	0%
El Hualle	53960	53743	8	740	70	38	2160	0	70	38	1	0%
(A) Santa Sofia	865021	865020	8	378	30	45	3600	0	30	45	2	0%
Punitaqui	53391	54401	8	338	37	33	2160	0	37	33	1	0%
Santa Amalia	53032	53033	8	208	17	45	3600	0	17	45	2	0%
(A) Santa Julia	54508	865013	8	147	12	45	3600	0	12	45	1	0%
(E) Santa Julia	53473	54508	8	234	19	45	3600	0	19	45	1	0%
(E) Mirador Azul	43794	43699	8	130	20	23	2160	0	20	23	1	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Av. Peru	53141	53144	8	468	53	32	1215	0	53	32	0	0%
(E) Zanjón de Aguada	54703	53692	8	585	62	34	2430	0	62	34	0	0%
(E) Av. Peru	53144	53145	8	377	45	30	1620	0	45	30	0	0%
Geronimo de Alderete	800670	800730	8	396	29	49	1800	0	29	49	0	0%
(E) Jardín Alto	53344	53343	8	351	28	45	1800	0	28	45	0	0%
General Arriagada	42991	43849	8	520	42	45	2700	0	42	45	0	0%
General Arriagada	43849	43900	8	364	29	45	2700	0	29	45	0	0%
(A) Santa Julia	53351	54306	8	325	26	45	5400	0	26	45	1	0%
(E) San Francisco	53684	53669	8	312	25	45	3600	0	25	45	0	0%
(E) San Francisco	53685	53684	8	169	14	45	3600	0	14	45	0	0%
Palena	54705	53683	8	325	38	31	756	0	38	31	0	0%
Geronimo de Alderete	43763	800670	6	472	53	32	2160	0	53	32	0	0%
Geronimo de Alderete	54507	54707	8	481	38	45	3600	0	38	45	0	0%
(A) Av. Las Perdices	53901	53902	6	624	41	55	5400	0	41	55	1	0%
(A) Av. Las Perdices	53902	53961	6	390	26	55	5400	0	26	55	1	0%
(A) Av. Las Perdices	53961	53963	6	585	38	55	5400	0	38	55	1	0%
Palena	53581	54705	8	325	38	31	756	0	38	31	0	0%
(E) Colombia	53075	53142	8	377	45	30	2430	0	45	30	0	0%
Geronimo de Alderete	53762	54707	8	455	36	45	3600	0	36	45	0	0%
Geronimo de Alderete	54707	54507	8	481	38	45	3600	0	38	45	0	0%
Walker Martínez	53901	865017	8	662	55	43	2160	0	55	43	0	0%
(E) María Angelica	53682	53892	8	200	26	28	2160	0	26	28	0	0%
Palena	54705	53581	8	325	38	31	756	0	38	31	0	0%
(E) Froilan Roa	44902	44903	8	240	35	25	1620	0	35	25	0	0%
Santa Sofia	865017	865016	8	986	79	45	3600	0	79	45	0	0%
(E) María Angelica	53681	53682	8	410	33	45	3600	0	33	45	0	0%
(E) María Angelica	53683	53681	8	460	37	45	3600	0	37	45	0	0%
(E) María Angelica	53892	865015	8	601	48	45	3600	0	48	45	0	0%
Jardín Alto	54510	54707	8	144	22	24	2160	0	22	24	0	0%
(E) W. Martínez	53981	53901	8	338	37	33	2160	0	37	33	0	0%
Santa Julia	865013	54510	8	468	37	45	3600	0	37	45	0	0%
Santa Julia	865014	865013	8	356	28	45	3600	0	28	45	0	0%
(A) Av. Central	53961	865019	8	691	80	31	756	0	80	31	0	0%
(A) Av. Central	54002	865024	8	1229	143	31	756	0	143	31	0	0%
(A) Av. Central	865019	53961	8	691	80	31	756	0	80	31	0	0%
(A) Av. Central	865019	865024	8	474	55	31	756	0	55	31	0	0%
(A) Av. Central	865024	54002	8	1229	143	31	756	0	143	31	0	0%
(A) Av. Central	865024	865019	8	474	55	31	756	0	55	31	0	0%
(A) Av. Las Perdices	53480	865027	6	685	45	55	5400	0	45	55	0	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(A) Av. Las Perdices	53901	865015	6	828	62	48	3510	0	62	48	0	0%
(A) Av. Las Perdices	53964	53970	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	53966	53969	6	590	39	55	5400	0	39	55	0	0%
(A) Av. Las Perdices	53966	53970	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	53969	53966	6	590	39	55	5400	0	39	55	0	0%
(A) Av. Las Perdices	53969	865027	6	169	11	55	5400	0	11	55	0	0%
(A) Av. Las Perdices	53970	53964	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	53970	53966	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	865015	53901	6	828	54	55	5400	0	54	55	0	0%
(A) Av. Las Perdices	865027	53480	6	685	45	55	5400	0	45	55	0	0%
(A) Av. Las Perdices	865027	53969	6	169	11	55	5400	0	11	55	0	0%
(A) Av. Paseo Pie Andino	54001	865031	4	992	60	60	7200	0	60	60	0	0%
(A) Av. Paseo Pie Andino	54002	54001	4	221	13	60	7200	0	13	60	0	0%
(A) Av. Paseo Pie Andino	54004	54002	4	260	16	60	7200	0	16	60	0	0%
(A) Av. Paseo Pie Andino	865031	865030	4	726	44	60	7200	0	44	60	0	0%
(A) Cota 835	53971	865024	4	284	17	60	3600	0	17	60	0	0%
(A) Cota 835	865022	865023	4	657	39	60	3600	0	39	60	0	0%
(A) Cota 835	865022	865029	4	957	57	60	3600	0	57	60	0	0%
(A) Cota 835	865023	865022	4	657	39	60	3600	0	39	60	0	0%
(A) Cota 835	865023	865024	4	205	12	60	3600	0	12	60	0	0%
(A) Cota 835	865024	53971	4	284	17	60	3600	0	17	60	0	0%
(A) Cota 835	865024	865023	4	205	12	60	3600	0	12	60	0	0%
(A) Cota 835	865028	865029	4	404	24	60	3600	0	24	60	0	0%
(A) Cota 835	865029	865022	4	957	57	60	3600	0	57	60	0	0%
(A) Cota 835	865029	865028	4	404	24	60	3600	0	24	60	0	0%
(A) El Hualle	53743	53746	8	741	59	45	3600	0	59	45	0	0%
(A) El Hualle	53746	53743	8	741	68	39	2160	0	68	39	0	0%
(A) Fresia	43699	43798	8	250	30	30	2160	0	30	30	0	0%
(A) Jardin Alto	53345	865034	8	78	9	33	2160	0	9	33	0	0%
(A) Jardin Alto	54510	865011	8	680	61	40	2340	0	61	40	0	0%
(A) Jardin Alto	865011	54510	8	680	54	45	3600	0	54	45	0	0%
(A) Jardin Alto	865034	53345	8	78	9	33	2160	0	9	33	0	0%
(A) Jardin Alto	865034	865038	8	222	24	33	2160	0	24	33	0	0%
(A) Jardin Alto	865038	865034	8	222	24	33	2160	0	24	33	0	0%
(A) La Salle Norte	53345	865033	8	630	63	36	2340	0	63	36	0	0%
(A) La Salle Norte	865032	865033	8	322	32	36	2340	0	32	36	0	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(A) La Salle Norte	865033	53345	8	630	63	36	2340	0	63	36	0	0%
(A) La Salle Norte	865033	865032	8	322	32	36	2340	0	32	36	0	0%
(A) La Salle Sur	865035	865036	8	288	29	36	2340	0	29	36	0	0%
(A) La Salle Sur	865036	865035	8	288	29	36	2340	0	29	36	0	0%
(A) La Salle Sur	865036	865037	8	320	32	36	2340	0	32	36	0	0%
(A) La Salle Sur	865037	865036	8	320	32	36	2340	0	32	36	0	0%
(A) La Salle Sur	865037	865038	8	630	63	36	2340	0	63	36	0	0%
(A) La Salle Sur	865038	865037	8	630	63	36	2340	0	63	36	0	0%
(A) Las Nalcas	53766	865026	8	720	68	38	2160	0	68	38	0	0%
(A) Las Nalcas	865026	53766	8	720	68	38	2160	0	68	38	0	0%
(A) Las Palmas	44917	44918	8	295	24	45	1800	0	24	45	0	0%
(A) Las Palmas	44918	44922	8	165	21	28	1170	0	21	28	0	0%
(A) Las Palmas	44923	44917	8	260	21	45	1800	0	21	45	0	0%
(A) Las Tinajas	53970	865021	8	430	37	42	2340	0	37	42	0	0%
(A) Las Tinajas	53971	865021	8	1000	88	41	2160	0	88	41	0	0%
(A) Las Tinajas	865021	53970	8	430	38	41	2160	0	38	41	0	0%
(A) Las Tinajas	865021	53971	8	1000	86	42	2340	0	86	42	0	0%
(A) Los Curas	865032	865036	8	211	22	35	2160	0	22	35	0	0%
(A) Los Curas	865036	865040	8	125	13	35	2160	0	13	35	0	0%
(A) Los Curas	865039	865032	8	100	10	35	2160	0	10	35	0	0%
(A) Maria Angelica	865016	865028	8	523	67	28	2160	0	67	28	0	0%
(A) Maria Angelica	865028	865030	8	959	77	45	3600	0	77	45	0	0%
(A) Nueva Cuatro	44914	44918	8	140	19	26	1170	0	19	26	0	0%
(A) Nueva Cuatro	44918	44914	8	140	19	26	1170	0	19	26	0	0%
(A) Nueva Cuatro	44920	44918	8	125	18	25	1170	0	18	25	0	0%
(A) Nueva Tres	44917	44913	8	105	16	23	1170	0	16	23	0	0%
(A) Nueva Tres	44919	44917	8	165	21	28	1170	0	21	28	0	0%
(A) Rojas Magallanes	53971	54004	5	832	65	46	2340	0	65	46	0	0%
(A) Rojas Magallanes	865020	53971	5	1200	79	55	3600	0	79	55	0	0%
(A) Santa Amalia	53345	53480	8	364	33	40	2340	0	33	40	0	0%
(A) Santa Amalia	53480	53345	8	364	33	40	2340	0	33	40	0	0%
(A) Santa Julia	865013	865011	8	290	23	45	3600	0	23	45	0	0%
(A) Santa Sofia	865017	865018	8	629	50	45	3600	0	50	45	0	0%
(A) Santa Sofia	865018	865017	8	629	50	45	3600	0	50	45	0	0%
(A) Santa Sofia	865018	865019	8	232	19	45	3600	0	19	45	0	0%
(A) Santa Sofia	865019	865018	8	232	19	45	3600	0	19	45	0	0%
(A) Santa Sofia	865019	865020	8	378	30	45	3600	0	30	45	0	0%
(A) Santa Sofia	865020	865019	8	378	30	45	3600	0	30	45	0	0%
(A) W. Martinez	54001	865022	8	1115	93	43	2160	0	93	43	0	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(A) W. Martinez	865017	865022	8	474	40	43	2160	0	40	43	0	0%
(A) W. Martinez	865022	54001	8	1115	93	43	2160	0	93	43	0	0%
(A) W. Martinez	865022	865017	8	474	40	43	2160	0	40	43	0	0%
(E) Araucania	54506	54507	8	546	53	37	1080	0	53	37	0	0%
(E) Araucania	54507	54509	8	511	51	36	1080	0	51	36	0	0%
(E) Araucania	54508	54509	8	100	18	20	1080	0	18	20	0	0%
(E) Araucania	54509	54507	8	511	51	36	1080	0	51	36	0	0%
(E) Araucania	54509	54508	8	100	18	20	1080	0	18	20	0	0%
(E) Av. Peru	53144	53141	8	468	53	32	1215	0	53	32	0	0%
(E) Av. Peru	53145	53144	8	377	45	30	1620	0	45	30	0	0%
(E) Av. Peru	53145	53146	8	494	49	36	2160	0	49	36	0	0%
(E) Av. Peru	53146	53145	8	494	54	33	1620	0	54	33	0	0%
(E) Av. Tobalaba	53422	865043	4	179	11	60	5400	0	11	60	0	0%
(E) Av. Tobalaba	53481	53742	4	700	57	44	3240	0	57	44	0	0%
(E) Av. Tobalaba	53742	53481	4	700	42	60	5400	0	42	60	0	0%
(E) Av. Tobalaba	865043	53422	4	179	18	36	3240	0	18	36	0	0%
(E) Colombia	53142	53241	8	455	51	32	2430	0	51	32	0	0%
(E) Fresia	43798	43781	8	264	31	31	2160	0	31	31	0	0%
(E) Froilan Roa	44903	44904	8	102	8	45	3600	0	8	45	0	0%
(E) Jardin Alto	53344	53345	8	260	31	30	2160	0	31	30	0	0%
(E) Jardin Alto	53345	53344	8	260	21	45	3600	0	21	45	0	0%
(E) Las Araucarias	53669	53681	8	330	34	35	2340	0	34	35	0	0%
(E) Las Araucarias	53681	53669	8	330	36	33	2160	0	36	33	0	0%
(E) Las Nalcas	53765	53766	8	720	68	38	2160	0	68	38	0	0%
(E) Las Nalcas	53766	53765	8	720	68	38	2160	0	68	38	0	0%
(E) Las Nalcas	865026	865027	8	627	59	38	2160	0	59	38	0	0%
(E) Las Nalcas	865027	865026	8	627	59	38	2160	0	59	38	0	0%
(E) Las Tinajas	53744	53746	8	130	19	25	2340	0	19	25	0	0%
(E) Las Tinajas	53745	53968	8	195	16	45	3600	0	16	45	0	0%
(E) Las Tinajas	53745	865026	8	246	23	38	2340	0	23	38	0	0%
(E) Las Tinajas	53746	53744	8	130	20	23	2160	0	20	23	0	0%
(E) Las Tinajas	53746	865026	8	300	24	45	3600	0	24	45	0	0%
(E) Las Tinajas	53968	53745	8	195	16	45	3600	0	16	45	0	0%
(E) Las Tinajas	53968	53970	8	286	33	31	2160	0	33	31	0	0%
(E) Las Tinajas	53970	53968	8	286	23	45	3600	0	23	45	0	0%
(E) Las Tinajas	865026	53745	8	246	20	45	3600	0	20	45	0	0%
(E) Las Tinajas	865026	53746	8	300	28	38	2340	0	28	38	0	0%
(E) Longitudinal	53902	865018	8	777	65	43	2160	0	65	43	0	0%
(E) Longitudinal	54002	865023	8	1206	101	43	2160	0	101	43	0	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Longitudinal	865018	53902	8	777	65	43	2160	0	65	43	0	0%
(E) Longitudinal	865018	865023	8	490	41	43	2160	0	41	43	0	0%
(E) Longitudinal	865023	54002	8	1206	101	43	2160	0	101	43	0	0%
(E) Longitudinal	865023	865018	8	490	41	43	2160	0	41	43	0	0%
(E) Los Husares	54701	54702	8	403	43	34	2160	0	43	34	0	0%
(E) Manutara	43869	43900	8	468	37	45	1080	0	37	45	0	0%
(E) Maria Angelica	53681	53683	8	460	52	32	1620	0	52	32	0	0%
(E) Maria Angelica	53682	53681	8	410	33	45	3600	0	33	45	0	0%
(E) Maria Angelica	53892	53682	8	200	16	45	3600	0	16	45	0	0%
(E) Maria Angelica	865015	53892	8	601	77	28	2160	0	77	28	0	0%
(E) Mirador Azul	44913	44914	8	270	22	45	1800	0	22	45	0	0%
(E) Mirador Azul	44914	44915	8	210	27	28	1080	0	27	28	0	0%
(E) Orompello	53581	54704	8	442	45	35	1080	0	45	35	0	0%
(E) Pudeto	43805	43807	8	192	23	30	1170	0	23	30	0	0%
(E) Pudeto	43807	43810	8	192	26	27	1080	0	26	27	0	0%
(E) Pudeto	43810	43786	8	168	13	45	1800	0	13	45	0	0%
(E) Rafael Matus	865042	865041	8	568	58	35	1620	0	58	35	0	0%
(E) San Carlos de Ancud	43810	43809	8	108	9	45	3600	0	9	45	0	0%
(E) San Carlos de Ancud	43811	43810	8	84	7	45	3600	0	7	45	0	0%
(E) San Carlos de Ancud	43883	43811	8	60	5	45	3600	0	5	45	0	0%
(E) San Jorge	52692	53360	8	767	77	36	1620	0	77	36	0	0%
(E) Santa Amalia	53345	53477	8	650	60	39	2340	0	60	39	0	0%
(E) Santa Amalia	53431	865039	8	426	38	40	2340	0	38	40	0	0%
(E) Santa Amalia	53477	53345	8	650	52	45	3600	0	52	45	0	0%
(E) Santa Amalia	865039	53477	8	329	30	40	2340	0	30	40	0	0%
(E) Trinidad	53346	53422	5	520	49	38	3240	0	49	38	0	0%
(E) Trinidad	53422	53346	5	520	34	55	5400	0	34	55	0	0%
(E) Vecinal	54301	54402	4	650	78	30	2160	0	78	30	0	0%
(E) W. Martinez	53901	53981	8	338	27	45	3600	0	27	45	0	0%
Alicahue	53473	53474	8	377	40	34	2160	0	40	34	0	0%
Araucania	54508	54708	8	390	41	34	1080	0	41	34	0	0%
Av. Macul	865016	865029	8	454	58	28	2160	0	58	28	0	0%
Av. Macul	865029	865016	8	454	36	45	2160	0	36	45	0	0%
Av. Macul	865029	865031	8	920	74	45	2160	0	74	45	0	0%
Av. Macul	865031	865029	8	920	118	28	2160	0	118	28	0	0%
Bellavista	43808	43811	8	180	24	27	1080	0	24	27	0	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIB RE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Bellavista	43811	43787	8	198	16	45	1800	0	16	45	0	0%
Cabildo	43786	43785	8	90	22	15	810	0	22	15	0	0%
Don Pepe	43862	43860	8	360	29	45	1800	0	29	45	0	0%
Eugenia	43706	43707	8	120	20	22	2340	0	20	22	0	0%
Geronimo de Alderete	54507	53472	8	286	23	45	3600	0	23	45	0	0%
Geronimo de Alderete	54707	53762	8	455	51	32	1620	0	51	32	0	0%
Geronimo de Alderete	800670	800700	8	162	24	24	1170	0	24	24	0	0%
Geronimo de Alderete	800700	800660	8	160	24	24	1800	0	24	24	0	0%
Las Acacias	43870	43775	8	102	8	45	3600	0	8	45	0	0%
Maria Cristina	53682	865025	8	578	72	29	2160	0	72	29	0	0%
Maria Cristina	53761	53764	8	220	27	29	2160	0	27	29	0	0%
Maria Cristina	53761	865025	8	604	48	45	3600	0	48	45	0	0%
Maria Cristina	53764	53761	8	220	18	45	3600	0	18	45	0	0%
Maria Cristina	53764	53765	8	240	29	30	2160	0	29	30	0	0%
Maria Cristina	53765	53764	8	240	29	30	2160	0	29	30	0	0%
Maria Cristina	865025	53682	8	578	46	45	3600	0	46	45	0	0%
Maria Cristina	865025	53761	8	604	75	29	2160	0	75	29	0	0%
Mauro	43708	43706	8	150	12	45	1800	0	12	45	0	0%
Membrillar	43804	43805	8	144	19	27	1170	0	19	27	0	0%
Membrillar	44904	44804	8	312	35	32	1080	0	35	32	0	0%
Palena	53581	54505	8	390	45	31	756	0	45	31	0	0%
Palena	54505	53581	8	390	45	31	756	0	45	31	0	0%
Punitaqui	53391	54402	8	260	31	30	2160	0	31	30	0	0%
Punitaqui	54401	53391	8	338	37	33	2160	0	37	33	0	0%
Rupanco	43784	43783	8	282	33	31	1080	0	33	31	0	0%
San Alfonso	43701	43702	8	102	8	45	1800	0	8	45	0	0%
San Alfonso	43702	43701	8	102	8	45	1800	0	8	45	0	0%
San Pedro	52292	52392	8	445	46	35	1080	0	46	35	0	0%
Santa Delia	54306	54307	8	429	44	35	2160	0	44	35	0	0%
Santa Ines	53433	53476	8	858	77	40	1755	0	77	40	0	0%
Santa Ines	53476	53344	8	624	58	39	1755	0	58	39	0	0%
Santa Ines	53476	53433	8	858	79	39	1620	0	79	39	0	0%
Santa Julia	54306	53473	8	494	40	45	3600	0	40	45	0	0%
Santa Raquel	800630	43773	6	468	31	55	3600	0	31	55	0	0%
Santa Sofia	865016	865017	8	986	79	45	3600	0	79	45	0	0%
Volcan Punitaqui	54702	54703	8	273	32	31	2160	0	32	31	0	0%
Walker Martinez	865017	53901	8	662	55	43	2160	0	55	43	0	0%

Anexo A.3. Características arcos de comuna La Florida – Simulación situación base AM 2015

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Vicuna Mackenna	52271	52181	4	637	53	43	2160	683	402	6	2885	134%
Acceso A Vespucio	800510	800500	21	77	7	40	1711	0	136	2	1954	114%
Elisa Correa	52271	52270	8	819	66	45	1800	0	294	10	1952	108%
A Vespucio	800680	800640	12	202	8	91	6150	100	74	10	6586	107%
A Vespucio	800640	800550	12	1379	50	99	6150	109	119	42	6529	106%
(E) Vicuna Mackenna	43802	43791	4	284	32	32	4320	608	74	14	4390	102%
A Vespucio	800750	800690	5	43	4	39	1330	385	20	8	1340	101%
A Vespucio	800550	800500	12	394	15	95	6150	109	23	62	6177	100%
Punta Arenas	800920	800910	8	52	6	31	3600	323	24	8	3614	100%
Av. La Florida	53281	800430	4	494	44	40	5400	559	85	21	5408	100%
(E) Vicuna Mackenna	43700	43702	4	146	9	60	9000	608	17	30	9011	100%
(E) Vicuna Mackenna	43702	44601	4	36	2	60	9000	608	5	25	9011	100%
A Vespucio	800840	800770	12	402	15	96	6150	100	19	76	6118	99%
(E) Vicuna Mackenna	43974	43973	4	48	17	10	5400	827	31	5	5327	99%
A Vespucio	800880	800860	5	110	8	50	1900	323	25	16	1851	97%
Rotonda Vicuña Mackenna	800610	800580	4	60	9	24	7800	726	16	14	7587	97%
Vicuna Mackenna	52181	52271	4	637	53	43	2160	672	94	24	2090	97%
(E) Vicuna Mackenna	43886	43885	4	120	23	19	5400	608	39	11	5156	95%
(E) Punta Arenas	43796	43793	8	150	12	45	3600	0	33	16	3434	95%
Av. La Florida	53353	53271	4	715	59	44	5400	500	100	26	5143	95%
Acceso A Vespucio	800690	800680	20	74	7	38	1351	0	9	29	1286	95%
(E) Vicuna Mackenna	53111	53121	4	340	53	23	3020	766	90	14	2850	94%
Rotonda Vicuña Mackenna	800600	800610	4	60	9	24	7800	1147	15	15	7202	92%
(E) Vicuna Mackenna	43710	43707	4	60	4	60	7200	608	6	39	6471	90%
Punta Arenas	43751	43761	8	295	34	31	756	10	76	14	678	90%
Alonso de Ercilla	53083	800510	8	246	20	45	3600	0	42	21	3199	89%
Av. La Florida	53282	53281	4	806	66	44	5400	559	100	29	4758	88%
(A) Punta Arenas	43792	43700	8	130	20	23	3240	0	42	11	2852	88%
Av. La Florida	53421	865035	4	145	13	39	4320	468	20	26	3798	88%
Av. La Florida	865035	53431	4	315	29	39	4320	468	44	26	3798	88%
(E) Vicuna Mackenna	44804	43802	4	168	25	24	5400	608	37	16	4662	86%
(E) Vicuna Mackenna	52193	52194	4	61	8	27	3020	766	12	18	2606	86%
A Vespucio	800770	800680	12	284	11	93	6150	100	12	83	5300	86%
(E) Vicuna Mackenna	52194	53103	4	364	49	27	3020	766	71	18	2596	86%
Departamental	44901	44801	4	290	33	32	3240	222	48	22	2779	86%
Departamental	44919	44901	4	300	33	33	3240	154	48	23	2774	86%
Departamental	54003	44920	4	165	25	24	3240	154	36	17	2765	85%
(E) Vicuna Mackenna	43884	43883	4	192	27	26	5400	608	38	18	4599	85%
Bahia Catalina	42682	42691	5	420	27	55	2700	129	62	24	2296	85%
(E) Vicuna Mackenna	53111	53103	4	360	46	28	2525	764	66	20	2142	85%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(A) Alonso de Ercilla	53171	53085	8	330	41	29	1620	0	73	16	1353	84%
(E) Vicuna Mackenna	53032	53042	4	448	32	50	5760	687	45	36	4787	83%
Froilan Roa	800570	800560	8	59	19	11	1620	73	33	6	1333	82%
(E) Vicuna Mackenna	43885	43884	4	150	23	23	5400	608	32	17	4427	82%
Punta Arenas	43762	43771	8	388	47	30	1620	106	78	18	1316	81%
(E) Manutara	43900	43869	8	468	37	45	810	0	61	27	653	81%
(E) Punta Arenas	43780	43797	8	258	36	26	2430	0	58	16	1952	80%
Departamental	54301	800430	4	760	74	37	2340	50	99	28	1876	80%
(E) Froilan Roa	53081	800570	8	384	46	30	1620	48	74	19	1294	80%
Av. La Florida	53433	53342	4	208	28	27	4860	500	37	20	3836	79%
Nva Exeq. Fdez.	44802	44801	8	385	46	30	1620	0	72	19	1274	79%
Departamental	44801	43711	4	580	50	42	3240	170	65	32	2541	78%
Punta Arenas	43761	43762	5	252	35	26	1350	80	67	14	1056	78%
(E) Vicuna Mackenna	53042	53041	4	482	35	50	5760	727	45	38	4476	78%
Alicahue	54505	54504	8	130	19	25	1170	0	27	17	894	76%
(E) Manutara	43865	43864	8	377	30	45	1620	0	44	31	1237	76%
Sotero del Rio	43844	43842	8	494	44	40	1215	0	65	28	924	76%
Sotero del Rio	43866	43844	8	117	11	40	1215	0	15	28	924	76%
Mirador Azul	44802	43791	8	414	48	31	1620	0	70	21	1232	76%
(E) Colombia	52371	52381	8	228	18	45	3600	25	26	31	2731	76%
(A) Av. Mexico	53363	53359	8	338	35	35	1755	0	50	24	1328	76%
Alonso de Ercilla	53085	53083	8	492	39	45	3600	0	56	32	2706	75%
Santa Raquel	43822	43821	8	403	40	36	810	290	57	25	608	75%
(E) Vicuna Mackenna	53032	53121	4	444	50	32	2525	676	63	25	1890	75%
A Vespucio	800490	800520	5	225	17	48	1900	326	30	27	1401	74%
Brasil	53161	53151	8	290	32	33	650	25	43	24	479	74%
(E) Vicuna Mackenna	43708	43704	4	84	5	60	9000	608	6	49	6572	73%
Acceso A Vespucio	800630	800650	21	71	7	37	1900	0	8	33	1387	73%
(E) Vicuna Mackenna	52192	52191	4	130	16	30	2525	755	19	24	1840	73%
Punta Arenas	800910	800900	8	145	17	31	3600	0	23	23	2620	73%
Geronimo de Alderete	53261	53073	8	270	31	31	1620	69	42	23	1178	73%
Departamental	800430	800440	4	132	8	60	5400	184	10	49	3911	72%
A Vespucio	800570	800530	5	375	27	50	1900	364	46	30	1372	72%
(E) Vicuna Mackenna	43704	43700	4	160	10	60	9000	608	12	49	6495	72%
(E) Vicuna Mackenna	43707	43708	4	42	3	60	9000	608	3	49	6471	72%
(E) Vicuna Mackenna	43791	43710	4	216	13	60	9000	608	16	49	6471	72%
Santa Raquel	43901	43822	8	403	40	36	810	290	53	28	578	71%
(E) Av. Mexico	53358	53357	8	507	51	36	1080	0	66	28	770	71%
(E) Av. La Florida	53511	53421	4	370	24	55	7200	468	29	46	5111	71%
(E) Av. La Florida	53341	53351	4	344	21	60	7200	500	25	50	5089	71%
San Jose de la Estrella	43601	43602	8	185	30	22	1620	10	39	17	1140	70%
Av. La Florida	53353	53351	4	487	40	44	5400	472	48	37	3786	70%
A Vespucio	800510	800460	5	392	29	49	2280	364	47	30	1598	70%
(E) Av. La Florida	53501	53502	4	205	13	55	7200	472	16	46	4986	69%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Bahia Catalina	42691	43602	8	218	33	24	1215	89	41	19	840	69%
Av. La Florida	53282	53271	4	340	28	44	5400	545	33	37	3724	69%
(E) Av. La Florida	53502	53511	4	250	15	60	7200	472	18	51	4952	69%
Enrique Olivares	53475	53342	8	832	64	47	1620	0	78	38	1097	68%
(E) Vicuna Mackenna	43963	43961	4	481	29	60	7200	743	34	52	4838	67%
(E) Vicuna Mackenna	53042	53032	4	460	33	50	3240	676	39	43	2175	67%
Av. La Florida	53271	53353	4	715	59	44	5400	472	68	38	3603	67%
Colombia	52381	52391	8	405	47	31	1620	0	57	26	1077	67%
(E) Manutara	43890	43868	8	364	44	30	1620	0	52	25	1077	66%
Elisa Correa	52270	52271	8	819	76	39	1080	0	91	32	717	66%
Santa Raquel	43821	43822	8	403	40	36	810	147	48	30	536	66%
Walker Martinez	43873	800610	4	144	24	22	2160	114	27	19	1423	66%
(E) Vicuna Mackenna	53041	43963	4	369	28	48	7200	743	32	42	4699	65%
(E) Av. La Florida	53351	53353	4	487	29	60	9000	500	33	53	5813	65%
(E) Vicuna Mackenna	43972	800600	4	78	5	60	9000	827	5	53	5802	64%
(E) Vicuna Mackenna	43973	43972	4	276	17	60	9000	827	19	53	5802	64%
Rolando Froden	53282	53085	8	629	69	33	2160	48	80	28	1381	64%
(E) Froilan Roa	44904	44903	8	102	23	16	1620	48	27	14	1035	64%
Punta Arenas	43622	800920	5	800	52	55	3600	0	75	38	2296	64%
(E) Mirador Azul	44913	44902	8	198	31	23	1620	0	36	20	1027	63%
A Vespucio	800910	800880	5	411	30	49	3800	323	43	35	2399	63%
A Vespucio	43870	800630	5	333	30	40	1900	327	42	28	1198	63%
(E) Punta Arenas	43623	43622	5	442	44	36	3240	0	63	25	2043	63%
(E) Vicuna Mackenna	53041	53042	4	440	40	40	3240	716	45	36	2043	63%
(E) Trinidad	43833	43622	5	221	29	27	1620	228	42	19	1021	63%
(E) Diego Portales	53362	52691	5	900	69	47	2340	261	98	33	1474	63%
(A) Av. Mexico	52572	53362	8	210	27	28	1620	0	31	24	1019	63%
Walker Martinez	54304	54303	6	130	15	31	1249	152	29	16	781	63%
(E) Vicuna Mackenna	43882	43881	4	144	9	60	7200	608	10	54	4490	62%
(A) Av. Mexico	53362	53360	8	364	40	33	1620	0	45	29	1007	62%
A Vespucio	800690	43860	5	180	29	22	1900	385	40	16	1181	62%
A Vespucio	43860	800620	5	210	29	26	1900	385	40	19	1178	62%
Av. La Florida	53271	53282	4	340	28	44	9000	574	31	39	5558	62%
(E) Alonso de Ercilla	53172	53171	8	408	47	31	1620	5	53	28	994	61%
(E) Froilan Roa	53072	53071	8	420	49	31	1620	0	55	28	993	61%
Departamental	54201	54301	4	130	13	37	2340	50	14	33	1432	61%
Acceso A Vespucio	800860	800840	21	47	5	34	1807	0	5	31	1104	61%
(E) Froilan Roa	44906	44905	8	215	32	24	1620	48	36	22	981	61%
Colombia	53231	53241	8	455	51	32	1620	20	57	29	974	60%
(E) Lia Aguirre	43774	43773	5	108	11	37	1928	135	14	28	1152	60%
(E) Av. La Florida	53342	53341	4	475	29	60	9000	500	31	55	5370	60%
Santa Raquel	43832	43842	8	364	44	30	1620	238	48	27	963	59%
(E) Fresia	43781	43798	8	264	31	31	2160	0	34	28	1279	59%
(E) Fresia	43784	43781	8	282	33	31	2160	0	36	28	1279	59%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Bahia Catalina	43602	43621	8	872	70	45	2700	0	77	41	1597	59%
Departamental	800450	54003	4	208	12	60	5400	154	14	55	3194	59%
Santa Raquel	865041	42983	8	387	40	35	1620	17	44	32	956	59%
Departamental	800440	800450	4	71	4	60	5400	184	5	55	3173	59%
(E) Av. Mexico	53359	53358	8	312	25	45	2700	0	27	41	1582	59%
Punta Arenas	43771	43783	8	209	17	45	3600	0	18	41	2106	58%
Serafin Zamora	43885	43887	6	325	21	55	1080	0	38	31	631	58%
A Vespucio	800650	800850	12	882	32	99	6150	60	32	98	3556	58%
Geronimo de Alderete	800720	800660	8	390	29	48	1800	0	32	44	1039	58%
Rojas Magallanes	53355	53341	5	338	22	55	1800	54	29	42	1036	58%
A Vespucio	800460	800440	5	51	4	46	3420	344	5	36	1961	57%
Vicuna Mackenna	800580	43886	4	132	8	60	9000	608	9	55	5156	57%
(E)Chacon Zamora	54302	54301	8	325	35	33	2160	0	38	31	1227	57%
Mirador Azul	43794	43791	8	220	38	21	1512	0	41	19	859	57%
Serafin Zamora	43885	43790	6	168	26	23	1080	0	45	13	612	57%
Fresia	43763	43772	8	360	39	33	2160	0	42	31	1215	56%
Diagonal Los Castaños	53391	54201	8	435	51	31	756	46	54	29	424	56%
San Luis	43842	800910	8	575	67	31	2025	0	72	29	1135	56%
(E) Vicuna Mackenna	53121	53032	4	442	32	50	7550	687	34	46	4228	56%
Rojas Magallanes	53263	53243	6	138	9	55	1800	15	15	32	1008	56%
(E) Av. Mexico	53357	53356	8	442	45	35	1620	0	49	33	906	56%
Jose Miguel Carrera	43847	43822	5	520	44	43	1755	0	55	34	975	56%
(E) Punta Arenas	43793	43792	8	290	23	45	5400	40	25	42	2993	55%
(E) Vicuna Mackenna	43961	43974	4	168	10	60	9000	827	11	56	4982	55%
Santa Raquel	42991	43901	8	545	59	33	810	138	63	31	446	55%
Brasil	53151	53161	8	290	32	33	650	25	34	31	357	55%
(E) Vicuna Mackenna	53103	53111	4	360	26	50	6060	766	28	47	3328	55%
Bahia Catalina	42691	42682	5	433	28	55	2700	129	35	44	1479	55%
Serafin Zamora	43887	800560	6	125	13	36	1080	0	21	22	589	55%
(E) Vicuna Mackenna	43881	44804	4	78	5	60	9000	608	5	56	4888	54%
A Vespucio	800590	43870	5	80	30	10	1900	327	37	8	1029	54%
(E) Vicuna Mackenna	52191	52192	4	133	10	48	6060	766	11	45	3262	54%
Vicuna Mackenna	52192	52193	4	268	19	51	6060	766	20	48	3254	54%
Santa Raquel	42983	42991	8	390	47	30	1215	152	49	28	652	54%
Av. La Florida	53431	865035	4	315	29	39	4320	440	31	37	2297	53%
Av. La Florida	865035	53421	4	145	13	39	4320	440	14	37	2297	53%
Rojas Magallanes	53243	53263	6	138	9	55	1800	15	15	34	954	53%
(E) Diego Portales	52293	52181	5	481	47	37	2160	97	57	30	1144	53%
Santa Raquel	43842	43841	8	405	47	31	1620	238	49	29	858	53%
Rojas Magallanes	53341	53355	5	338	22	55	1800	19	27	45	952	53%
(E) Lia Aguirre	43772	43773	5	402	45	32	925	135	55	26	489	53%
Concepcion	43983	43982	8	438	49	32	810	0	52	30	428	53%
Enrique Olivares	53241	53264	8	247	31	29	1620	24	32	28	842	52%
Lia Aguirre	800590	43775	5	122	12	37	1928	135	14	31	996	52%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Departamental	44920	44919	4	290	17	60	5400	154	18	57	2774	51%
Departamental	43711	44601	4	280	17	60	5400	170	18	57	2770	51%
(E) Vicuna Mackenna	43883	43882	4	42	3	60	9000	608	3	57	4599	51%
(E) Diego Portales	52381	52293	5	429	28	55	3600	101	33	46	1825	51%
Serafin Zamora	800560	43887	6	125	13	36	1080	0	19	24	542	50%
(E) Vicuna Mackenna	52191	52181	4	390	47	30	2525	769	49	29	1255	50%
Punta Arenas	800890	43751	8	598	60	36	1512	0	62	35	751	50%
Alicahue	53471	54505	8	468	37	45	1800	0	39	43	894	50%
A Vespucio	800470	800490	5	296	22	48	1900	326	26	41	941	50%
Jose Miguel Carrera	43890	43847	5	325	21	55	2700	0	25	47	1334	49%
(E) Froilan Roa	53081	53071	8	300	39	28	1620	0	40	27	790	49%
Colombia	53222	53231	8	455	51	32	1620	0	53	31	783	48%
(E) Froilan Roa	53073	53072	8	222	18	45	3600	0	18	44	1732	48%
Vicente Valdes	43983	43973	6	264	33	29	1080	0	48	20	519	48%
Sotero del Rio	53042	43866	8	516	49	38	1620	0	50	37	778	48%
Alonso de Ercilla	800510	800490	8	90	7	45	3600	0	7	44	1726	48%
Av. La Florida	53433	53431	4	267	31	31	4860	472	32	30	2329	48%
(E) Las Nalcas	53211	53221	8	300	39	28	2025	24	40	27	969	48%
(E) Av. La Florida	53341	53342	4	475	44	39	5400	472	46	38	2583	48%
(E) Av. Mexico	53352	53371	8	676	54	45	1800	0	56	44	857	48%
Departamental	54301	54201	4	130	13	37	1980	140	13	36	942	48%
(E) Trinidad	43621	43622	5	380	40	34	1620	228	46	30	770	48%
Trinidad	53221	53121	6	520	49	38	2160	0	72	26	1024	47%
Colombia	53302	53311	8	355	44	29	1620	8	45	28	768	47%
(E) Av. La Florida	53431	53433	4	267	16	60	8100	500	17	58	3836	47%
Rojas Magallanes	43987	53144	6	247	31	29	1080	20	45	20	510	47%
Brasil	53140	53139	8	180	22	29	1170	0	23	28	551	47%
(E) Punta Arenas	43601	43623	5	403	26	55	4500	0	30	48	2115	47%
Vicente Valdes	53072	43983	6	474	31	55	1800	0	45	38	846	47%
(E) Froilan Roa	53071	53081	8	300	24	45	3600	48	25	44	1685	47%
Rojas Magallanes	53143	53142	6	124	23	19	1080	15	34	13	505	47%
Vicuna Mackenna	52193	52192	4	270	19	51	4950	755	20	49	2311	47%
(E) Av. La Florida	53421	53511	4	220	14	55	7200	440	15	53	3352	47%
(E) Punta Arenas	42691	43601	5	208	23	32	2925	0	27	28	1358	46%
Rojas Magallanes	53041	43987	6	260	17	55	1800	20	24	38	835	46%
Mirador Azul	44902	44802	8	126	10	45	3600	0	10	44	1667	46%
(E) Rojas Magallanes	53341	54307	5	325	21	55	1800	15	24	49	831	46%
Rojas Magallanes	54307	53474	5	468	31	55	1800	15	35	49	831	46%
Bahia Catalina	42781	42682	5	473	31	55	2700	123	35	49	1245	46%
(E) Av. La Florida	53511	53502	4	250	15	60	7200	444	16	58	3314	46%
Jose Miguel Carrera	43822	43834	5	364	24	55	2700	0	27	49	1241	46%
(E) Manutara	43843	43865	8	169	29	21	2835	0	30	21	1297	46%
(E) Punta Arenas	43797	43796	8	210	17	45	5400	0	17	44	2469	46%
Walker Martinez	53371	53171	5	354	39	33	2160	114	44	29	987	46%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Salida A Vespucio	800770	800760	8	66	5	48	1800	0	5	47	818	45%
Brasil	53151	53143	8	371	39	34	1080	5	40	33	490	45%
Bahia Catalina	42682	42781	5	475	31	55	2700	123	35	49	1226	45%
(E) Santa Julia	43864	43851	8	351	36	35	2340	0	37	34	1058	45%
Rojas Magallanes	53243	53355	5	355	23	55	1800	54	26	49	811	45%
(E) Av. La Florida	53502	53501	4	205	13	55	7200	444	14	53	3234	45%
San Jose de la Estrella	865044	43601	8	336	31	39	2160	10	32	38	969	45%
(E) Alonso de Ercilla	53261	53172	8	432	35	45	2160	5	35	44	967	45%
(A) Av. Mexico	53359	53363	8	338	35	35	1755	0	35	34	785	45%
(A) Fresia	43798	43699	8	250	30	30	2160	0	31	29	965	45%
Walker Martinez	53070	43982	4	360	37	35	2160	114	38	34	964	45%
(E) Av. Mexico	53361	53360	8	390	41	34	1620	0	42	33	723	45%
(E) Av. Mexico	53356	53355	8	442	43	37	1170	0	44	36	519	44%
Serafin Zamora	43887	43885	6	325	21	55	1080	0	30	40	477	44%
Las Pataguas	44906	44916	8	340	35	35	1170	0	36	34	516	44%
Estados Unidos	43987	43986	8	364	29	45	1080	0	30	44	476	44%
(E) Vicuna Mackenna	52194	52193	4	61	4	49	4950	755	5	48	2179	44%
(E) Bacteriologico	53201	53211	8	405	47	31	2025	4	48	30	891	44%
Punta Arenas	800900	800910	5	145	11	47	1140	0	12	42	501	44%
(E) Froilan Roa	44903	44902	8	240	35	25	1620	48	35	25	711	44%
(E) Diego Portales	52381	53362	5	689	45	55	3600	276	50	50	1579	44%
(E) Bacteriologico	52292	53201	8	300	39	28	2025	0	39	28	888	44%
Santa Raquel	43831	43832	8	52	6	30	1620	238	6	30	708	44%
A Vespucio	800800	800870	5	302	22	49	1900	265	24	45	829	44%
(E) Av. Mexico	53358	53359	8	312	33	34	1755	0	34	33	765	44%
(E) Santa Raquel	43851	800740	8	428	43	36	2340	0	43	35	1017	43%
Colombia	52392	53302	8	275	37	27	1620	0	37	27	700	43%
(E) Vicuna Mackenna	53103	52194	4	364	27	49	4950	755	27	48	2138	43%
Punta Arenas	43783	43771	8	209	31	24	1620	0	32	24	698	43%
Santa Julia	43963	43864	8	507	59	31	810	0	60	31	349	43%
(E) Punta Arenas	43623	43601	5	403	36	40	2925	0	40	36	1259	43%
Brasil	53143	53140	8	470	46	37	1170	0	46	36	502	43%
A Vespucio	800870	800890	5	461	34	49	2280	265	37	44	978	43%
(E) Lia Aguirre	43775	43774	5	168	16	37	1928	135	18	34	826	43%
Enrique Olivares	43988	53141	8	253	31	29	1620	40	32	29	692	43%
Jose Miguel Carrera	53111	43890	5	598	49	44	2340	0	54	40	998	43%
(E) Av. La Florida	52692	53501	4	376	25	55	7200	472	25	54	3068	43%
Estados Unidos	43988	43987	8	468	37	45	1170	0	38	44	496	42%
(E) Vicuna Mackenna	43972	43973	4	276	18	55	5400	816	18	54	2285	42%
Jose Miguel Carrera	53211	53111	5	400	26	55	2700	0	29	50	1140	42%
A Vespucio	800760	800750	5	105	8	47	3800	385	9	43	1598	42%
(E) Manutara	43867	43866	8	468	53	32	2835	0	53	32	1192	42%
(E) Av. Mexico	53355	53354	8	416	33	45	1800	0	34	44	751	42%
Santa Raquel	43841	43851	8	340	35	35	2340	234	35	35	975	42%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Diag. Santa Elena	53471	53581	8	620	72	31	756	0	73	31	315	42%
(E) Av. La Florida	800430	53281	4	494	30	60	9000	530	30	59	3739	42%
(E) Departamental	43711	44801	4	580	50	42	3240	170	51	41	1344	41%
Santa Julia	43851	800820	5	86	14	22	2776	234	15	20	1152	41%
A Vespucio	438701	800600	5	150	26	21	3420	385	28	19	1418	41%
(E) Av. Tobalaba	53763	53671	4	350	36	35	3240	139	37	34	1341	41%
(E) Vicuna Mackenna	43963	53041	4	369	24	55	5760	732	25	54	2384	41%
(E) Fresia	43772	43784	8	240	19	45	3600	0	19	44	1490	41%
Santa Raquel	43822	43901	8	403	40	36	810	147	41	36	335	41%
(E) Mirador Azul	43699	43796	8	110	17	24	2340	0	17	24	966	41%
Acceso A Vespucio	800520	800540	21	69	7	35	1900	0	7	34	784	41%
(E) Vicuna Mackenna	43974	43961	4	168	25	24	5400	816	26	24	2227	41%
Geronimo de Alderete	800660	43763	6	472	46	37	2520	0	61	28	1039	41%
A Vespucio	800810	800760	5	242	18	48	1900	385	20	45	780	41%
(E) Av. La Florida	53281	53282	4	806	48	60	9000	530	49	59	3693	41%
(E) Vicuna Mackenna	43961	43963	4	481	31	55	5760	732	32	54	2333	40%
(E) Vicuna Mackenna	52181	52191	4	390	28	50	6060	780	29	49	2443	40%
(E) Av. Peru	53221	53131	8	420	49	31	1620	24	49	31	648	40%
(E) Vicuna Mackenna	53121	53111	4	335	24	50	4950	764	25	49	1978	40%
(E) Lia Aguirre	43773	43772	5	402	39	37	1928	135	42	34	768	40%
Punta Arenas	800890	800900	5	100	8	45	3420	265	9	42	1358	40%
Walker Martinez	43982	43873	4	138	8	60	3600	114	8	59	1423	40%
Enrique Olivares	53241	53140	8	127	16	28	1620	24	16	28	639	39%
El Hualle	53740	53742	8	20	18	4	1620	0	18	4	636	39%
(E) Av. Tobalaba	53683	53692	4	138	24	21	3240	0	24	21	1267	39%
(E) Av. Tobalaba	53685	53683	4	208	28	27	3240	0	28	27	1267	39%
Jose Miguel Carrera	53111	53211	5	412	42	35	1620	0	45	33	632	39%
(E) Av. La Florida	53501	52692	4	376	25	55	7200	444	25	54	2789	39%
(E) Diego Portales	52691	53362	5	900	59	55	3600	161	63	52	1380	38%
(E) Departamental	44801	44901	4	290	33	32	3240	194	33	32	1240	38%
(E) Departamental	44601	43711	4	280	32	32	3240	170	32	32	1237	38%
Trinidad	53358	53222	5	598	54	40	2160	0	57	38	821	38%
Rojas Magallanes	53142	53263	6	247	16	55	1800	15	20	44	683	38%
Nva Exeq. Fdez.	44803	44802	8	270	31	31	2160	0	32	31	814	38%
(E) Av. Tobalaba	53691	54601	4	430	41	38	3240	9	41	37	1208	37%
Santa Raquel	43901	42991	8	550	58	34	810	138	59	34	301	37%
Las Higueras	54502	53391	8	715	78	33	1134	46	78	33	421	37%
(E) Chacon Zamora	54303	54302	8	988	89	40	2160	0	89	40	802	37%
(E) Av. Tobalaba	53762	53763	4	310	34	33	3240	0	34	33	1195	37%
Rojas Magallanes	53474	54307	5	468	31	55	1800	31	32	52	663	37%
Rojas Magallanes	53355	53243	5	355	23	55	1800	19	25	52	661	37%
Bahia Catalina	42781	42782	5	689	45	55	1755	0	48	52	642	37%
A Vespucio	800620	438701	5	209	26	29	3420	385	27	27	1244	36%
El Parque	800490	44916	6	228	15	55	3600	0	18	44	1307	36%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) San Francisco	52270	42984	6	611	40	55	5400	0	49	45	1952	36%
(E) Punta Arenas	43783	43780	8	258	21	45	5400	0	21	45	1952	36%
Alonso de Ercilla	53262	53261	8	210	27	28	4320	0	27	28	1549	36%
(E) Av. Peru	53139	53131	8	295	38	28	1620	24	38	28	578	36%
(E) Mirador Azul	44914	44913	8	270	22	45	1800	0	22	45	642	36%
(E) Mirador Azul	44915	44914	8	210	17	45	1800	0	17	45	642	36%
Rotonda Vicuña Mackenna	800580	800590	4	87	13	24	7800	470	13	24	2783	36%
Sanchez Fontecilla	53744	53740	8	80	6	45	1800	0	6	45	641	36%
(E) Av. Peru	53131	53221	8	430	50	31	1620	24	50	31	577	36%
A Vespucio	800540	800650	12	1492	54	99	6150	57	54	99	2165	35%
Jose Miguel Carrera	53311	53211	5	370	39	34	1620	28	41	32	569	35%
(E) Departamental	54003	800470	4	208	12	60	5400	202	13	59	1897	35%
Enrique Olivares	53140	53141	8	127	16	28	1620	24	16	28	568	35%
Rotonda Departamental	800470	800460	4	64	4	60	5400	164	4	59	1893	35%
Jose Miguel Carrera	43847	43890	5	325	32	37	1755	0	33	35	609	35%
Colombia	53241	53231	8	455	51	32	1620	0	51	32	562	35%
Rupanco	43784	43785	6	408	42	35	1080	0	51	29	373	35%
(E) Av. La Florida	53351	53341	4	344	21	60	7200	472	21	59	2482	34%
Brasil	53139	53140	8	180	22	29	1170	0	22	29	402	34%
(E) Rojas Magallanes	54307	53341	5	325	21	55	1800	31	22	53	617	34%
(E) Froilan Roa	800560	44906	8	193	15	45	3600	48	16	45	1229	34%
(E) Arturo Valdivia	52293	52291	8	429	44	35	2700	0	44	35	917	34%
(E) Julio Cesar	865042	865046	8	345	31	40	2160	0	31	40	731	34%
(A) Av. Mexico	53360	53362	8	364	40	33	1620	0	40	33	548	34%
(A) Julio	42883	865042	8	315	28	40	2160	0	28	40	725	34%
Santa Raquel	800710	800690	8	28	5	20	3600	0	5	20	1204	33%
(E) Geronimo de Alderete	53161	53073	8	80	22	13	1620	69	22	13	540	33%
Rafael Matus	42981	865041	8	314	32	35	1620	17	32	35	540	33%
Ecuador	53263	53262	8	390	31	45	4500	0	31	45	1500	33%
Jose Miguel Carrera	53359	53311	5	598	54	40	1620	50	56	38	539	33%
Julio Cesar	865045	865044	8	570	54	38	2340	0	54	38	779	33%
(E) Av. Mexico	53361	53363	8	156	21	27	1755	0	21	27	584	33%
Punta Arenas	800900	800890	5	100	8	45	2280	0	8	43	750	33%
(E) Manutara	43869	43890	8	390	31	45	3600	0	31	45	1183	33%
Jose Miguel Carrera	43834	43623	5	377	25	55	2700	0	26	53	880	33%
Rojas Magallanes	43841	43865	6	455	44	37	1620	5	52	31	525	32%
Colombia	53231	53222	8	455	51	32	1620	0	51	32	525	32%
(E) Punta Arenas	43601	42691	5	208	23	32	2925	0	24	31	947	32%
Santa Raquel	43821	43831	8	450	51	32	1620	238	51	32	524	32%
Punta Arenas	43771	43762	8	375	45	30	1620	106	45	30	520	32%
Enrique Olivares	53264	53241	8	247	31	29	1620	4	31	29	513	32%
(E) Trinidad	43622	43621	5	380	37	37	2700	228	38	36	848	31%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Av. La Florida	52692	52691	4	355	21	60	9000	444	21	60	2812	31%
(E) Bacteriologico	52291	52292	8	355	39	33	2700	0	39	33	837	31%
Rojas Magallanes	800880	43841	5	405	39	37	1928	0	41	36	596	31%
Rojas Magallanes	53263	53142	6	247	31	29	1080	15	35	25	332	31%
Walker Martinez	53070	53071	4	138	24	21	2160	162	24	21	663	31%
(E) Diego Portales	53362	52381	5	689	45	55	3600	161	46	53	1106	31%
Santa Julia	800780	43761	5	309	37	30	3374	152	38	29	1033	31%
Brasil	53140	53143	8	470	47	36	1080	0	47	36	331	31%
(E) Serafin Zamora	53281	53083	6	504	33	55	1800	0	38	48	550	31%
Enrique Olivares	43988	53042	8	260	32	29	1620	40	32	29	491	30%
A Vespucio	800530	800510	5	181	14	47	5700	364	14	45	1724	30%
Santa Raquel	800740	800710	8	20	3	24	3600	0	3	24	1087	30%
Jose Miguel Carrera	53211	53311	5	380	40	34	1620	28	41	33	488	30%
(E) Colombia	52391	52392	8	365	29	45	3600	0	29	45	1072	30%
Rotonda Vicuña Mackenna	800590	800600	4	86	13	24	7800	803	13	24	2319	30%
Walker Martinez	53371	53271	5	356	39	33	2160	387	40	32	639	30%
Bahia Catalina	42782	42781	5	689	45	55	2700	0	46	54	799	30%
Av. La Florida	52691	52692	4	355	21	60	9000	472	21	60	2644	29%
Punta Arenas	800920	43622	5	800	67	43	2160	0	69	42	634	29%
(E) Trinidad	43868	53121	5	535	49	39	2700	235	51	38	790	29%
Julio Cesar	865046	865045	8	388	47	30	1620	0	47	30	473	29%
(E) Punta Arenas	43796	43797	8	210	32	24	2430	0	32	24	710	29%
Estados Unidos	43987	43988	8	468	37	45	1800	0	37	45	525	29%
(E) Lia Aguirre	43773	43774	5	108	12	32	925	135	12	31	269	29%
(E) Lia Aguirre	43774	43775	5	168	19	32	925	135	19	31	269	29%
Lia Aguirre	43775	800590	5	122	14	32	925	135	14	31	269	29%
Nueva Uno	44916	44915	8	234	19	45	3600	0	19	45	1046	29%
(A) Jardin Alto	53346	865038	8	133	15	33	2160	0	15	33	626	29%
Brasil	53143	53151	8	373	38	35	1170	5	38	35	337	29%
(E) Av. La Florida	53342	53433	4	208	12	60	8100	472	13	60	2329	29%
Santa Delia	54305	54304	8	624	61	37	2160	0	61	37	621	29%
(E) Las Nalcas	53221	53211	8	300	39	28	2025	24	39	28	577	29%
Rotonda Departamental	800460	800430	4	149	9	60	5400	184	9	60	1530	28%
Rojas Magallanes	53144	53143	6	123	8	55	1800	20	9	49	510	28%
Walker Martinez	54303	53271	6	169	20	31	1249	152	22	28	354	28%
(A) San Francisco	42984	42883	6	442	29	55	5400	0	33	49	1524	28%
El Parque	44916	44903	6	600	54	40	2160	0	61	36	609	28%
(E) Av. Mexico	53363	53361	8	156	12	45	2700	0	12	45	761	28%
(A) Alicahue	865037	53478	8	128	13	35	2160	0	13	35	607	28%
Serafin Zamora	43790	43885	6	168	26	23	1080	0	30	20	304	28%
Punta Arenas	43761	43751	8	305	35	31	756	10	35	31	210	28%
Punta Arenas	43762	43761	5	252	25	36	1928	80	26	35	531	28%
(E) Vicuna Mackenna	43709	43794	4	119	23	19	5400	608	23	19	1483	27%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) Las Tinajas	53481	53744	8	117	18	24	2340	0	18	24	641	27%
(E) Av. Mexico	53354	53352	8	520	42	45	2700	0	42	45	739	27%
Entrelagos	43834	43833	8	442	45	35	4320	0	46	35	1180	27%
Sotero del Rio	43866	53042	8	516	49	38	1620	0	49	38	436	27%
(E) Lia Aguirre	43771	43772	5	258	29	32	925	135	30	31	248	27%
Santa Raquel	43841	43842	8	385	46	30	1620	105	46	30	435	27%
Walker Martinez	53071	53070	4	138	8	60	3600	114	8	60	964	27%
(A) La Salle Sur	865038	865043	8	189	19	36	2340	0	19	36	626	27%
(E) Vicuna Mackenna	43794	43799	4	348	36	35	5400	608	36	35	1445	27%
(E) Trinidad	43622	43833	5	221	14	55	2700	228	15	54	722	27%
Walker Martinez	43873	43982	4	138	24	21	2160	162	24	21	574	27%
Departamental	54601	54701	4	286	28	37	1980	0	28	37	524	26%
Santa Raquel	42984	865041	8	232	24	35	1620	0	24	35	428	26%
Ecuador	53264	53263	8	442	35	45	3600	0	35	45	947	26%
Trinidad	53358	53421	5	425	43	36	2160	0	43	35	566	26%
Cabildo	43785	43786	8	90	7	45	1800	0	7	45	471	26%
Jose Miguel Carrera	43834	43822	5	364	34	39	1755	0	34	38	459	26%
(E) Departamental	44919	44920	4	290	17	60	5400	202	17	60	1400	26%
(E) Departamental	44920	54003	4	165	10	60	5400	202	10	60	1400	26%
(E) Colombia	53311	53222	8	312	40	28	3240	0	40	28	837	26%
(E) Departamental	44901	44919	4	300	18	60	5400	202	18	60	1393	26%
(E) Ororpello	53581	54703	8	117	19	22	2160	0	19	22	556	26%
A Vespucio	800450	800470	5	49	4	44	3420	278	4	43	879	26%
(E) Manutara	43864	43863	8	429	44	35	4320	0	44	35	1109	26%
Zanjon de la Aguada	54302	53281	8	559	54	37	3240	0	54	37	831	26%
(E) Colombia	52392	52391	8	365	44	30	1620	0	44	30	414	26%
(E) Vicuna Mackenna	800600	43972	4	78	5	60	9000	816	5	60	2285	25%
(A) Av. Mexico	53362	52572	8	210	17	45	2700	0	17	45	686	25%
(E) Vicuna Mackenna	43809	43785	4	198	26	27	5400	608	26	27	1371	25%
General Arriagada	52193	43900	8	508	41	45	2700	0	41	45	672	25%
Jose Miguel Carrera	43623	43834	5	377	25	55	2700	0	25	54	671	25%
(E) Av. Tobalaba	865012	53762	4	391	29	49	3240	0	29	49	804	25%
(E) Vicuna Mackenna	43973	43974	4	48	3	60	9000	816	3	60	2227	25%
General Arriagada	42882	865045	8	124	12	37	1620	83	12	37	399	25%
Bahia Catalina	43621	43602	8	913	89	37	1215	0	89	37	299	25%
(E) Lia Aguirre	43772	43771	5	258	25	37	1928	135	25	37	473	25%
(E) Rojas Magallanes	43865	53041	6	525	50	38	2160	5	54	35	521	24%
Departamental	54401	54201	4	390	38	37	1980	0	38	37	476	24%
Departamental	54501	54401	4	715	70	37	1980	0	70	37	476	24%
Sotero del Rio	43842	43844	8	494	44	40	1215	0	44	40	290	24%
Sotero del Rio	43844	43866	8	117	11	40	1215	0	11	40	290	24%
Departamental	54701	54501	4	364	35	37	1980	0	35	37	472	24%
Santa Julia	800820	800780	5	356	26	49	3800	21	26	48	902	24%
(E) Pudeto	43786	43810	8	168	23	26	1080	0	23	26	255	24%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) Diego Portales	52293	52381	5	429	28	55	3600	101	28	54	847	24%
(E) Maria Elena	865046	42881	5	96	9	37	2700	104	9	37	635	24%
Punta Arenas	43751	800890	8	598	60	36	1620	0	60	36	381	24%
Enrique Olivares	53140	53241	8	127	10	45	3600	24	10	45	846	23%
Rojas Magallanes	53143	53144	6	123	23	19	1080	20	25	18	254	23%
Colombia	53311	53302	8	355	44	29	1620	8	44	29	380	23%
Santa Raquel	43773	800630	6	468	31	55	3600	0	33	51	840	23%
(E) Vicuna Mackenna	43701	43792	4	231	14	60	9000	608	14	60	2085	23%
(E) Vicuna Mackenna	44601	43701	4	114	7	60	9000	608	7	60	2085	23%
(E) San Jorge	52192	52291	8	480	38	45	3600	0	38	45	833	23%
Enrique Olivares	53141	43988	8	253	20	45	3600	40	20	45	827	23%
Zanjon de la Aguada	54403	54402	8	600	48	45	5400	0	48	45	1231	23%
Zanjon de la Aguada	54504	54403	8	37	3	45	5400	0	3	45	1231	23%
(E) Av. Tobalaba	53671	53685	4	267	16	60	5400	0	16	60	1219	23%
(E) Froilan Roa	44905	44904	8	222	18	45	3600	48	18	45	812	23%
Walker Martinez	53171	53071	5	375	40	34	2160	114	40	34	487	23%
Rojas Magallanes	43987	53041	6	260	32	29	1080	20	35	27	243	23%
(E) Vicuna Mackenna	43785	43790	4	168	25	24	5400	608	25	24	1215	23%
A Vespucio	800480	800540	12	522	19	99	6150	57	19	99	1381	22%
(E) Colombia	52381	52371	8	215	17	45	3600	25	17	45	803	22%
Walker Martinez	54506	53471	6	169	20	31	1249	183	21	29	278	22%
Walker Martinez	54704	54506	6	234	27	31	1249	183	29	29	278	22%
Walker Martinez	54706	54704	6	377	44	31	1249	183	47	29	278	22%
(E) Diego Portales	52181	52293	5	481	31	55	3600	101	32	55	796	22%
(E) San Jorge	52291	52192	8	460	52	32	1620	0	52	32	354	22%
(E) Pudeto	43810	43807	8	192	23	30	1170	0	23	30	255	22%
(E) Geronimo de Alderete	53073	53161	8	80	6	45	3600	69	6	45	784	22%
(E) Zanjon de Aguada	54402	54302	8	416	33	45	5400	0	33	45	1175	22%
Trinidad	53222	53221	5	351	38	33	3240	0	39	33	704	22%
(E) Froilan Roa	53072	53073	8	222	18	45	3600	0	18	45	774	21%
(E) Trinidad	53478	865040	5	326	29	40	3240	0	30	40	696	21%
(E) Trinidad	865040	53421	5	254	23	40	3240	0	23	40	696	21%
Serafin Zamora	43789	43790	6	114	23	18	1080	0	24	17	232	21%
Geronimo de Alderete	43863	800720	8	411	33	45	5400	0	33	45	1156	21%
Cabildo	43787	43884	8	60	20	11	810	0	20	11	173	21%
(E) Av. Mexico	53360	53361	8	390	31	45	2700	0	31	45	573	21%
(E) Millaray	43798	43797	6	204	28	26	2160	0	30	25	455	21%
Membrillar	44804	44904	8	312	35	32	1080	0	35	32	227	21%
Enrique Olivares	53141	53140	8	127	10	45	3600	24	10	45	752	21%
(E) Las Acacias	43775	43870	8	102	23	16	810	0	23	16	169	21%
(E) Las Gardenias	43833	43832	8	728	66	40	2340	0	66	40	488	21%
Alicahue	53475	53474	8	572	56	37	2160	0	56	37	450	21%
(E) Geronimo de	43984	43961	8	270	36	27	1620	84	36	27	336	21%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Alderete												
(E) Jardin Alto	53343	53741	8	390	41	34	1080	0	41	34	224	21%
(E) Manutara	43866	43843	8	273	22	45	6300	0	22	45	1297	21%
(E) Santa Julia	43986	43963	8	273	36	27	2430	0	36	27	499	21%
Jose Miguel Carrera	53311	53359	5	598	39	55	2700	58	39	55	553	20%
Santa Julia	43864	43963	8	507	55	33	1620	0	55	33	329	20%
Don Pepe	43862	43974	8	228	18	45	1800	0	18	45	361	20%
(E) Maria Elena	42983	42982	5	430	28	55	5400	134	28	55	1072	20%
Cleopatra	42881	42882	8	390	39	36	2340	15	39	36	464	20%
Trinidad	53421	53358	5	425	28	55	3600	0	28	55	714	20%
Alicahue	53472	53471	8	585	62	34	1620	0	62	34	320	20%
(E) Punta Arenas	43793	43796	8	150	12	45	3600	0	12	45	709	20%
(E) Av. Peru	53131	53139	8	295	24	45	3600	24	24	45	709	20%
A Vespucio	800860	800810	5	272	20	49	3800	323	20	49	747	20%
(E) Froilan Roa	53071	53072	8	420	34	45	3600	0	34	45	706	20%
Salida A Vespucio	800550	800530	8	141	11	46	1800	0	11	46	352	20%
Walker Martinez	53171	53371	5	354	23	55	3600	418	23	55	701	19%
Santa Raquel	42991	42983	8	390	47	30	1620	152	47	30	315	19%
Cleopatra	42882	43801	8	570	54	38	2340	15	54	38	451	19%
El Parque	44803	43802	6	150	25	22	3240	0	26	21	615	19%
(E) Av. Peru	53139	53141	8	210	32	24	1620	24	32	24	307	19%
El Parque	44903	44803	6	204	13	55	3600	0	14	53	679	19%
Serafin Zamora	43790	43789	6	114	7	55	1800	0	8	53	338	19%
(E) Av. Mexico	53371	53352	8	676	54	45	1800	9	54	45	335	19%
Walker Martinez	43982	53070	4	360	22	60	3600	162	22	60	663	18%
Bahia Catalina	43602	42691	8	183	15	45	2700	85	15	45	490	18%
(E) Punta Arenas	43622	43623	5	442	29	55	5400	0	29	55	979	18%
A Vespucio	800520	800560	5	399	30	48	3420	326	30	48	617	18%
(E) San Jorge	52291	52391	8	450	51	32	1620	0	51	32	292	18%
Rafael Matus	865041	42981	8	314	32	35	1620	17	32	35	292	18%
Enrique Olivares	53356	53342	8	338	37	33	1620	0	37	33	291	18%
Nueva Uno	43801	43834	8	410	43	34	2160	0	43	34	385	18%
(E) Trinidad	43833	43821	5	455	44	37	2700	228	44	37	475	18%
(E) Lo Canas	53672	53763	8	100	18	20	1080	139	18	20	189	18%
Punta Arenas	800900	800920	8	261	30	31	3600	0	30	31	629	17%
San Jose de la Estrella	43602	43601	8	185	25	27	2160	10	25	27	375	17%
Vicente Valdes	43983	53072	6	474	41	42	1170	0	42	41	202	17%
(E) Av. Tobalaba	53742	865012	4	704	52	49	3240	0	52	49	556	17%
A Vespucio	800630	800700	5	344	25	50	3800	327	25	49	651	17%
A Vespucio	800700	800800	5	365	27	49	3800	327	27	49	651	17%
(E) Barcelona	43800	43802	8	120	24	18	810	0	24	18	137	17%
(E) Av. Tobalaba	53692	53691	4	182	12	55	7200	0	12	55	1205	17%
(E) Vicuna Mackenna	43703	43705	4	120	7	60	9000	608	7	60	1506	17%
Froilan Roa	800560	800570	8	61	20	11	1620	0	20	11	270	17%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) Vicuna Mackenna	43795	43709	4	24	1	60	9000	608	1	60	1483	16%
(E) Av. Mexico	53352	53354	8	520	42	45	2700	0	42	45	444	16%
(E) Vicuna Mackenna	43804	43806	4	66	4	60	9000	608	4	60	1470	16%
Santa Amalia	53231	53131	8	240	35	25	1620	0	35	25	264	16%
Jose Miguel Carrera	43890	53111	5	598	49	44	2340	0	49	44	379	16%
Santa Julia	800830	43851	5	109	11	36	3856	100	11	36	622	16%
Enrique Olivares	53242	53264	8	118	9	45	3600	4	9	45	576	16%
(E) Santa Julia	53351	53354	8	338	37	33	3240	84	37	33	518	16%
Nueva Uno	44922	54003	8	130	20	23	2160	0	20	23	345	16%
Walker Martinez	800610	43873	4	144	9	60	3600	162	9	60	574	16%
(E) Vicuna Mackenna	43792	43703	4	108	6	60	9000	608	6	60	1429	16%
Trinidad	53222	53358	5	598	39	55	3600	0	39	55	569	16%
(E) Vicuna Mackenna	43806	43782	4	66	4	60	9000	608	4	60	1422	16%
Departamental	800430	54301	4	760	74	37	1980	140	74	37	312	16%
(E) Vicuna Mackenna	43790	43875	4	168	10	60	9000	608	10	60	1418	16%
Vicuna Mackenna	43875	800590	4	101	6	60	9000	608	6	60	1418	16%
(E) Santa Julia	43851	43864	8	351	44	29	2430	0	44	29	381	16%
(E) Vicuna Mackenna	43705	43795	4	24	1	60	9000	608	1	60	1404	16%
Santa Julia	43761	800790	5	303	39	28	3800	152	39	28	591	16%
(E) W. Martinez	53671	54706	6	494	48	37	1850	183	49	36	283	15%
(E) Departamental	54701	54601	4	286	19	55	5400	0	19	55	826	15%
(E) Vicuna Mackenna	43799	43804	4	180	11	60	9000	608	11	60	1373	15%
(E) Vicuna Mackenna	43782	43809	4	120	7	60	9000	608	7	60	1371	15%
(E) Lo Canas	53763	53672	8	100	18	20	1080	139	18	20	164	15%
Geronimo de Alderete	43961	43863	8	294	31	34	3510	0	31	34	531	15%
(E) Trinidad	53421	865040	5	254	17	55	5400	0	17	55	807	15%
San Jose de la Estrella	43848	43869	8	377	30	45	3600	4	30	45	537	15%
San Jose de la Estrella	43901	43848	8	520	42	45	3600	4	42	45	537	15%
(A) Las Palmas	44917	44923	8	260	28	33	1170	0	28	33	174	15%
(E) Geronimo de Alderete	53146	43984	8	258	21	45	2160	84	21	45	321	15%
Rojas Magallanes	53142	53143	6	125	8	55	1800	15	8	54	267	15%
(E) Froilan Roa	44923	44901	8	175	29	22	1620	48	29	22	241	15%
(E) Trinidad	865040	53478	5	326	21	55	5400	0	21	55	801	15%
(A) San Francisco	42883	42782	6	689	45	55	5400	0	46	54	799	15%
(E) Punta Arenas	43792	43793	8	290	23	45	5400	40	23	45	798	15%
(E) San Jorge	53360	52692	8	767	61	45	3600	0	61	45	529	15%
Enrique Olivares	53356	53242	8	351	28	45	3600	0	28	45	528	15%
Rojas Magallanes	43865	43841	6	455	44	37	1620	5	45	36	237	15%
El Parque	43802	44803	8	150	12	45	5400	0	12	45	785	15%
(E) Lo Ovalle	43793	43795	8	150	22	25	1080	0	22	25	156	14%
Estados Unidos	43986	43987	8	364	29	45	1170	0	29	45	169	14%
Santa Raquel	42983	865041	8	387	37	38	2160	17	37	38	309	14%
Geronimo de Alderete	800750	800740	8	39	6	23	1800	0	6	23	257	14%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(A) Santa Delia	54306	54305	8	520	49	38	2340	0	49	38	334	14%
Geronimo de Alderete	800740	800730	8	160	24	24	1800	0	24	24	255	14%
(E) Maria Elena	42781	865046	5	512	50	37	2700	104	50	37	382	14%
(E) Serafin Zamora	53083	53281	6	504	33	55	1800	0	34	54	254	14%
Rojas Magallanes	53144	43987	6	247	16	55	1800	20	17	54	254	14%
Vicente Valdes	43973	43983	6	264	17	55	1800	0	18	54	254	14%
A Vespucio	439801	800570	5	400	45	32	3420	389	45	32	481	14%
Volcan Calbuco	54503	54502	8	299	34	32	2160	0	34	32	304	14%
A Vespucio	438741	439801	5	170	45	14	3420	389	45	14	480	14%
A Vespucio	800610	438741	5	50	45	4	3420	389	45	4	480	14%
Santa Raquel	43842	43832	8	364	42	31	1620	105	42	31	226	14%
Santa Amalia	53032	43867	8	520	52	36	2160	0	52	36	301	14%
(E) Maria Elena	43850	52191	5	520	49	38	3240	114	49	38	451	14%
(E) Punta Arenas	43700	43711	8	115	24	17	2430	0	24	17	336	14%
Nueva Uno	44915	44922	8	140	11	45	3600	0	11	45	491	14%
Colombia	52391	52381	8	405	32	45	3600	0	32	45	487	14%
Santa Julia	800790	800830	5	354	26	49	3800	83	26	49	513	14%
Jose Miguel Carrera	43822	43847	5	520	34	55	2700	0	34	55	365	14%
(E) Av. Tobalaba	53671	53763	4	350	36	35	3240	139	36	35	435	13%
(E) Santa Raquel	43832	43831	8	52	6	31	1620	105	6	31	217	13%
(E) Barcelona	43802	43800	6	120	8	55	1800	0	8	54	239	13%
(E) San Francisco	42984	52270	6	611	40	55	5400	0	41	54	717	13%
Walker Martinez	53271	54303	6	169	16	37	2775	152	17	36	365	13%
Rupanco	43783	43784	6	282	28	36	1170	0	29	35	154	13%
Barcelona	43800	43799	6	126	23	20	1080	0	23	20	141	13%
(E) Departamental	53891	54601	4	1120	82	49	3240	146	82	49	423	13%
(E) Geronimo de Alderete	53353	54305	8	338	27	45	5400	0	27	45	700	13%
(E) Punta Arenas	43780	43783	8	258	21	45	5400	0	21	45	698	13%
(E) Punta Arenas	43797	43780	8	258	21	45	5400	0	21	45	698	13%
General Arriagada	43900	52193	8	508	55	33	1215	0	55	33	156	13%
(A) San Francisco	42883	42984	6	442	29	55	5400	0	29	54	693	13%
Walker Martinez	53471	54304	6	598	69	31	1249	152	71	30	160	13%
Santa Amalia	43867	53032	8	520	57	33	1620	0	57	33	207	13%
Alonso de Ercilla	800490	800510	8	90	7	45	3600	0	7	45	459	13%
(E) San Antonio	43788	43789	8	108	9	45	1800	0	9	45	228	13%
(E) Trinidad	43846	43868	5	455	44	37	2700	235	44	37	338	13%
Jose Miguel Carrera	53511	53359	5	622	41	55	2700	50	41	55	338	13%
(E) Los Husares	54702	54701	8	403	43	34	2160	0	43	34	270	13%
Volcan Punitaqui	54703	54702	8	273	32	31	2160	0	32	31	270	13%
(E) W. Martinez	54706	53671	6	494	52	34	1946	183	53	33	242	12%
San Luis	800910	43842	8	570	79	26	1512	0	79	26	186	12%
(E) Geronimo de Alderete	43762	43763	6	234	23	36	3780	0	24	35	460	12%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Walker Martinez	54506	54704	6	234	25	34	1946	183	25	33	235	12%
(E) Serafin Zamora	800570	53083	6	516	34	55	1800	0	34	54	217	12%
Cabildo	43786	43787	8	60	5	45	1800	0	5	45	216	12%
(E) Santa Julia	53354	53251	8	350	28	45	5400	84	28	45	646	12%
Salida A Vespucio	800480	800490	8	225	17	48	1800	0	17	48	215	12%
Walker Martinez	53471	54506	6	169	16	37	1850	183	17	36	221	12%
(E) Colombia	53241	53142	8	455	51	32	2430	0	51	32	290	12%
(A) San Francisco	42782	42883	6	689	45	55	5400	0	46	54	642	12%
(E) Av. Tobalaba	53479	53481	4	67	4	60	5400	0	4	60	641	12%
San Jose de la Estrella	43869	53103	8	536	43	45	3600	4	43	45	426	12%
(E) Av. Tobalaba	865043	53480	4	220	13	60	5400	0	13	60	626	12%
(E) Trinidad	53478	53346	5	650	43	55	5400	0	43	55	626	12%
(E) Av. Tobalaba	53480	53479	4	364	22	60	5400	0	22	60	626	12%
General Arriagada	42991	42882	8	328	26	45	2700	79	26	45	312	12%
Geronimo de Alderete	54305	53472	8	390	31	45	3600	0	31	45	414	12%
Walker Martinez	54704	54706	6	377	40	34	1946	183	40	34	221	11%
Santa Julia	800800	800780	8	172	21	29	1170	131	21	29	131	11%
(E) Las Gardenias	43832	43833	8	728	69	38	2160	0	69	38	241	11%
Luis Calvo Mackenna	43773	43788	6	108	7	55	3600	0	7	54	399	11%
(E) Santa Julia	53151	53075	8	117	25	17	2430	20	25	17	265	11%
Walker Martinez	53271	53371	5	356	23	55	3600	91	23	55	391	11%
(E) Geronimo de Alderete	43763	43762	6	234	30	28	3240	0	30	28	351	11%
(E) Arturo Valdivia	52291	52293	8	429	44	35	2700	0	44	35	292	11%
(E) Colombia	53142	53075	8	377	45	30	2430	0	45	30	262	11%
(E) Colombia	53075	53073	8	520	57	33	2430	0	57	33	262	11%
(E) Santa Julia	53354	53351	8	338	37	33	3240	88	37	33	347	11%
Luis Calvo Mackenna	43788	43773	6	108	22	18	2160	0	22	18	229	11%
(E) Santa Julia	53251	53262	8	179	14	45	5400	20	14	45	564	10%
(A) Maria Angelica	865030	865028	8	959	123	28	2160	0	123	28	224	10%
A Vespucio	800560	43980	5	410	44	34	3420	351	44	34	354	10%
Colombia	53302	52392	8	275	22	45	3600	0	22	45	372	10%
(E) Zanjon de Aguada	54503	54504	8	91	7	45	5400	0	7	45	558	10%
(E) Maria Elena	42982	43850	5	442	29	55	5400	114	29	55	557	10%
A Vespucio	43874	800580	5	38	44	3	3420	351	44	3	353	10%
A Vespucio	43980	43874	5	160	44	13	3420	351	44	13	353	10%
Ecuador	53262	53263	8	390	31	45	4500	0	31	45	463	10%
Walker Martinez	54303	54304	6	130	13	37	1850	152	13	37	189	10%
(E) Santa Julia	43986	53145	8	234	34	25	2430	0	34	25	245	10%
(E)Las Acacias	43863	43862	8	156	12	45	5400	0	12	45	544	10%
Rojas Magallanes	53474	54708	5	390	26	55	1800	15	26	55	181	10%
Geronimo de Alderete	800720	800710	8	162	24	24	1170	0	24	24	117	10%
(E) Manutara	43868	43867	8	429	34	45	6300	0	34	45	628	10%
Alicahue	53474	53475	8	572	56	37	2160	0	56	37	215	10%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Santa Julia	800820	800810	8	154	16	35	1170	79	16	35	116	10%
(E) Maria Elena	42881	42983	5	340	37	33	3240	0	37	33	321	10%
(E) Av. Tobalaba	53692	53683	4	138	24	21	3240	0	24	21	320	10%
(E) Santa Raquel	43831	43821	8	455	51	32	1620	105	51	32	160	10%
(E) Av. Tobalaba	53763	53762	4	310	34	33	3240	0	34	33	314	10%
Walker Martinez	54304	53471	6	598	58	37	1850	152	59	37	179	10%
(E) Av. Mexico	53354	53355	8	416	42	36	1170	0	42	36	113	10%
(A) Las Palmas	44922	44918	8	165	13	45	1800	0	13	45	172	10%
(E) Chacon Zamora	54301	54302	8	325	35	33	2160	0	35	33	206	10%
Perpetua Freire	53261	53251	8	500	58	31	756	68	58	31	71	9%
(A) Alicahue	53477	865033	8	97	10	35	2160	0	10	35	204	9%
(A) Alicahue	865033	865037	8	213	22	35	2160	0	22	35	204	9%
(E) Garcia Lorca	43789	43774	8	108	9	45	3600	0	9	45	338	9%
Santa Julia	800810	800830	8	153	16	34	1170	17	16	34	109	9%
(E) Maria Elena	42982	42983	5	435	44	36	3240	134	44	36	298	9%
(E) Av. Tobalaba	53685	53671	4	267	31	31	3240	0	31	31	296	9%
Enrique Olivares	53042	43988	8	260	21	45	3600	40	21	45	327	9%
(E) Trinidad	53121	43868	5	535	49	39	2700	226	49	39	245	9%
(A) Las Palmas	44918	44917	8	295	24	45	1800	0	24	45	163	9%
(E) Serafin Zamora	53083	800570	6	516	49	38	1080	0	49	38	97	9%
(E) El Hualle	53960	53673	8	220	27	29	2160	139	27	29	194	9%
Santa Amalia	53131	53231	8	237	34	25	1620	0	34	25	145	9%
(E) Chacon Zamora	54302	54303	8	988	89	40	2160	0	89	40	194	9%
(E) Trinidad	43846	43821	5	494	47	38	2700	226	47	38	241	9%
El Parque	44916	800490	8	228	18	45	3600	0	18	45	321	9%
General Arriagada	42682	865045	8	483	47	37	1620	83	47	37	144	9%
General Arriagada	865045	42882	8	124	12	37	1620	83	12	37	144	9%
(A) Nueva Manutara	43850	43900	8	390	41	34	2160	0	41	34	192	9%
(E) Jardin Alto	53741	53343	8	390	31	45	1800	0	31	45	159	9%
Ecuador	53263	53264	8	442	43	37	2340	0	43	37	206	9%
(E) Geronimo de Alderete	53161	53146	8	327	26	45	3600	84	26	45	317	9%
San Jose de la Estrella	43801	865044	8	154	14	39	2160	10	14	39	189	9%
(E) Santa Julia	53262	53075	8	234	34	25	2430	20	34	25	206	8%
Perpetua Freire	53251	53261	8	530	62	31	756	64	62	31	64	8%
Las Perdices	53892	53981	8	440	43	37	2340	127	43	37	197	8%
(E) Geronimo de Alderete	43961	43984	8	270	31	31	2160	84	31	31	182	8%
(E) Las Perdices	53892	53891	8	440	45	35	2160	127	45	35	180	8%
(E) Colombia	53222	53311	8	312	40	28	3240	0	40	28	269	8%
Salida A Vespucio	800850	800870	8	61	5	44	1800	0	5	44	150	8%
Luis Calvo Mackenna	43788	43785	6	240	31	28	2160	0	31	28	179	8%
Mirador Azul	43791	43794	8	225	32	25	1512	0	32	25	124	8%
Enrique Olivares	53342	53356	8	338	27	45	3600	0	27	45	291	8%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Geronimo de Alderete	43863	43961	8	294	39	27	2430	0	39	27	196	8%
(E) Plaza Vespucio	43882	44905	6	366	39	34	2160	0	39	34	173	8%
(E) Rojas Magallanes	53041	43865	6	525	50	38	2160	5	50	38	172	8%
Enrique Olivares	53475	53343	8	598	48	45	3600	0	48	45	287	8%
Rojas Magallanes	54708	53474	5	390	26	55	1800	31	26	55	143	8%
Geronimo de Alderete	800730	43863	8	411	42	35	3240	0	42	35	256	8%
San Jose de la Estrella	43801	43901	8	370	44	30	1620	9	44	30	128	8%
(E) Av. Tobalaba	54601	53691	4	432	26	60	5400	9	26	60	423	8%
Paso El Roble	43808	43881	8	54	4	45	3600	0	4	45	282	8%
(E) Froilan Roa	44905	44906	8	215	17	45	3600	0	17	45	280	8%
(E) Rojas Magallanes	865014	53741	5	242	16	55	2340	15	16	55	182	8%
Las Perdices	53981	53892	8	440	43	37	2340	127	43	37	180	8%
(E) Zanjón de Aguada	54703	54503	8	351	28	45	5400	0	28	45	412	8%
Diag. Santa Elena	53581	53471	8	615	71	31	756	0	71	31	57	8%
(E) Trinidad	43821	43846	5	494	32	55	4500	235	32	55	338	8%
(E) María Elena	42983	42881	5	337	37	33	3240	0	37	33	243	8%
Mirador Azul	44802	44902	8	126	25	18	1620	0	25	18	121	7%
(E) Av. Mexico	53357	53358	8	507	51	36	1080	0	51	36	80	7%
(E) Santa Julia	53151	53145	8	117	25	17	2430	0	25	17	180	7%
(E) Av. Mexico	53355	53356	8	442	45	35	1080	0	45	35	80	7%
(E) Trinidad	43821	43833	5	455	30	55	4500	228	30	55	328	7%
Enrique Olivares	53342	53475	8	832	67	45	3600	0	67	45	259	7%
Las Acacias	43871	438701	8	96	23	15	2430	0	23	15	174	7%
Volcan Calbuco	54502	54503	8	299	34	32	2160	0	34	32	153	7%
Nva Exeq. Fdez.	44801	44802	8	385	41	34	2160	0	41	34	149	7%
(A) Santa Julia	865011	865012	8	375	30	45	3600	0	30	45	249	7%
Jardin Alto	53741	865011	8	340	27	45	3600	0	27	45	249	7%
San Jose de la Estrella	53103	43869	8	536	58	33	1620	13	58	33	108	7%
Paso El Roble	43807	43808	8	78	6	45	3600	0	6	45	239	7%
General Arriagada	42882	42991	8	320	41	28	1215	79	41	28	81	7%
Santa Julia	800790	800800	8	171	21	29	1170	69	21	29	77	7%
(E) Lo Ovalle	43795	43793	8	150	20	27	1170	0	20	27	77	7%
Santa Raquel	43851	43841	8	342	42	29	1620	100	42	29	105	7%
(E) El Hualle	53672	53673	8	310	35	32	2160	139	35	32	141	7%
(E) El Hualle	53673	53960	8	220	27	29	2160	139	27	29	141	7%
Entrelagos	43833	43834	8	442	45	35	4320	0	45	35	278	6%
(A) Av. Las Perdices	865015	53900	6	165	12	48	3510	0	12	48	224	6%
San Pedro	52392	52292	8	440	35	45	1800	0	35	45	115	6%
(E) Santa Julia	53075	53262	8	234	19	45	5400	20	19	45	344	6%
Luis Calvo Mackenna	43785	43788	6	240	16	55	3600	0	16	55	229	6%
El Parque	44803	44903	8	204	32	23	1620	0	32	23	103	6%
(E) Zanjón de Aguada	54504	54503	8	91	7	45	5400	0	7	45	337	6%
(A) María Angelica	865028	865016	8	523	42	45	3600	0	42	45	224	6%
Av. Macul	865016	865015	8	698	56	45	3600	0	56	45	224	6%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Diagonal Los Castaños	54201	53391	8	440	51	31	756	46	51	31	47	6%
(E) Av. Mexico	53356	53357	8	442	45	35	1620	20	45	35	100	6%
Rojas Magallanes	865014	54708	5	122	8	55	2340	31	8	55	144	6%
Walker Martinez	53071	53171	5	372	39	34	2160	114	39	34	129	6%
Guacolda	42981	52181	8	965	91	38	810	12	91	38	48	6%
(E) San Jorge	52391	53360	8	663	63	38	1620	0	63	38	96	6%
Alicahue	53476	53477	8	195	16	45	3600	0	16	45	210	6%
Nueva Santa Cruz	43983	43984	8	330	26	45	2160	0	26	45	126	6%
Alicahue	53476	53475	8	260	31	30	2160	0	31	30	125	6%
Zanjon de la Aguada	53281	54302	8	559	45	45	5400	0	45	45	312	6%
(E) Av. Tobalaba	53691	53692	4	182	12	55	7200	0	12	55	415	6%
(E) Av. Tobalaba	53683	53685	4	208	12	60	5400	0	12	60	309	6%
Alicahue	53475	53476	8	260	21	45	3600	0	21	45	204	6%
Mauro	43706	43708	8	150	12	45	1800	0	12	45	101	6%
Nueva Santa Cruz	43984	43983	8	330	26	45	2160	0	26	45	122	6%
(E) Pudeto	43805	43800	8	96	16	22	1170	0	16	22	65	6%
(E) Las Perdices	53891	53892	8	440	35	45	3600	127	35	45	197	5%
(E) Pudeto	43800	43805	8	96	8	45	1800	0	8	45	98	5%
Membrillar	43805	43804	8	144	12	45	1800	0	12	45	98	5%
(E) Maria Elena	865046	42781	5	512	41	45	2925	104	41	45	159	5%
(E) El Hualle	53673	53672	8	310	25	45	3600	139	25	45	194	5%
(E) Trinidad	43868	43846	5	455	30	55	4500	226	30	55	241	5%
(E) Santa Julia	43963	43986	8	273	22	45	5400	0	22	45	289	5%
Sanchez Fontecilla	53740	53744	8	80	6	45	1800	0	6	45	96	5%
San Jose de la Estrella	43901	43801	8	370	30	45	3600	9	30	45	190	5%
(E) Maria Elena	42881	865046	5	96	8	45	2925	104	8	45	154	5%
(E) Geronimo de Alderete	43984	53146	8	258	21	45	3600	84	21	45	189	5%
General Arriagada	865045	42682	8	483	47	37	1620	83	47	37	84	5%
(E) Julio Vildosola	43981	43982	8	222	33	24	1620	0	33	24	84	5%
(E) Departamental	54601	53891	4	1120	67	60	5400	160	67	60	279	5%
(E) Maria Elena	43850	42982	5	442	29	55	5400	114	29	55	278	5%
(E) Maria Elena	52191	43850	5	520	34	55	5400	114	34	55	278	5%
El Parque	44903	44916	8	600	48	45	3600	0	48	45	181	5%
Rojas Magallanes	54708	865014	5	122	8	55	3600	15	8	55	181	5%
San Pedro	52292	52194	8	580	61	34	810	0	61	34	40	5%
(E) Froilan Roa	44902	44923	8	115	24	17	1620	48	24	17	81	5%
Santa Amalia	43867	43845	8	312	31	36	1620	0	31	36	80	5%
Concepcion	43982	43983	8	438	45	35	1080	0	45	35	53	5%
(E) San Jorge	53360	52391	8	663	53	45	3600	0	53	45	175	5%
(A) Alicahue	53478	865037	8	128	10	45	3600	0	10	45	174	5%
(E) San Jorge	52391	52291	8	453	36	45	3600	0	36	45	174	5%
Geronimo de Alderete	53073	53261	8	270	31	31	3600	69	31	31	173	5%
Trinidad	53121	53221	6	520	49	38	2160	0	49	38	103	5%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Jose Miguel Carrera	53359	53511	5	622	56	40	1620	58	56	40	77	5%
Santa Amalia	53033	53032	8	208	31	24	1620	0	31	24	76	5%
(E) Departamental	54501	54701	4	364	24	55	5400	0	24	55	252	5%
Enrique Olivares	53264	53242	8	118	9	45	3600	24	9	45	164	5%
(E) Santa Julia	53145	53151	8	117	9	45	5400	0	9	45	245	5%
San Jose de la Estrella	53363	53302	8	637	60	38	2160	0	60	38	97	5%
El Hualle	53743	53740	8	80	14	20	2340	0	14	20	105	4%
Geronimo de Alderete	53352	53353	8	390	45	31	1620	0	45	31	73	4%
Venezuela	53243	53242	8	433	45	35	1080	4	45	35	48	4%
Enrique Olivares	53242	53356	8	351	28	45	3600	20	28	45	160	4%
(E) Las Tinajas	53744	53481	8	117	19	22	2160	0	19	22	96	4%
Las Higueras	53391	54502	8	715	78	33	1134	46	78	33	50	4%
(E) Departamental	54401	54501	4	715	47	55	5400	0	47	55	236	4%
(E) Departamental	54201	54401	4	390	26	55	5400	0	26	55	236	4%
San Pedro	52392	53361	8	598	58	37	1080	0	58	37	47	4%
Santa Amalia	43845	43867	8	312	25	45	3600	0	25	45	155	4%
(E) Santa Julia	53075	53151	8	117	9	45	5400	20	9	45	232	4%
(E) Departamental	53900	53891	4	650	39	60	5400	0	39	60	224	4%
(E) Santa Julia	53251	53354	8	350	38	33	3240	88	38	33	133	4%
(A) Jardin Alto	865038	53346	8	133	15	33	2160	0	15	33	89	4%
Las Higueras	53691	54702	8	455	50	33	1134	46	50	33	46	4%
Las Higueras	54502	54702	8	338	37	33	1134	46	37	33	46	4%
Las Higueras	54702	53691	8	455	50	33	1134	46	50	33	46	4%
Las Higueras	54702	54502	8	338	37	33	1134	46	37	33	46	4%
Santa Amalia	53231	53357	8	533	43	45	3600	7	43	45	146	4%
El Hualle	53740	53743	8	80	14	20	2340	0	14	20	94	4%
(A) Nueva Manutara	43900	43850	8	390	41	34	2160	0	41	34	87	4%
Barcelona	43799	43800	8	126	10	45	1800	0	10	45	72	4%
Bellavista	43787	43811	8	198	25	28	1080	0	25	28	43	4%
San Jose de la Estrella	43869	43848	8	377	45	30	1620	13	45	30	64	4%
(E) Millaray	43799	43798	6	210	14	55	3600	0	14	55	141	4%
San Pedro	53361	52392	8	598	58	37	1080	0	58	37	41	4%
(A) La Salle Sur	865043	865038	8	189	19	36	2340	0	19	36	89	4%
Cleopatra	42882	42881	8	388	47	30	1620	15	47	30	61	4%
(E) Las Acacias	43862	43871	8	282	23	45	5400	0	23	45	202	4%
Bellavista	43811	43808	8	180	22	29	1170	0	22	29	43	4%
Volcan Calbuco	54502	54501	8	325	35	33	2160	0	35	33	79	4%
Salida A Vespucio	800640	800620	8	117	9	47	1800	0	9	47	66	4%
(E) Av. Tobalaba	53762	865012	4	391	29	49	3240	0	29	49	118	4%
(E) Pudeto	43807	43805	8	192	15	45	1800	0	15	45	65	4%
Rojas Magallanes	43841	800880	5	405	50	29	1330	0	50	29	48	4%
(E) Bacteriologico	53211	53201	8	400	46	31	2025	4	46	31	73	4%
Av. Central	53765	53960	8	237	28	31	756	27	28	31	27	4%
Av. Central	53765	53962	8	188	22	31	756	27	22	31	27	4%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Av. Central	53960	53765	8	237	28	31	756	27	28	31	27	4%
Av. Central	53961	53962	8	255	30	31	756	27	30	31	27	4%
Av. Central	53962	53765	8	188	22	31	756	27	22	31	27	4%
Av. Central	53962	53961	8	255	30	31	756	27	30	31	27	4%
(E) Bacteriologico	52292	52291	8	355	39	33	2700	0	39	33	96	4%
(E) Santa Julia	53262	53251	8	179	14	45	5400	20	14	45	189	4%
(E) Geronimo de Alderete	53146	53161	8	327	26	45	3600	84	26	45	125	3%
(A) Alicahue	865033	53477	8	97	8	45	3600	0	8	45	125	3%
(A) Alicahue	865037	865033	8	213	17	45	3600	0	17	45	125	3%
Alicahue	53477	53476	8	195	16	45	3600	0	16	45	125	3%
El Hualle	53742	53740	8	20	9	8	2340	0	9	8	81	3%
General Arriagada	43849	42991	8	520	51	37	1215	0	51	37	42	3%
General Arriagada	43900	43849	8	364	35	37	1215	0	35	37	42	3%
(E) Rojas Magallanes	53741	865014	5	242	16	55	3600	31	16	55	123	3%
(E) Santa Julia	53145	43986	8	234	19	45	5400	0	19	45	180	3%
San Pedro	52393	53501	8	130	20	23	1080	0	20	23	36	3%
Rolando Froden	53081	53085	8	366	43	31	2160	48	43	31	72	3%
(E) Mirador Azul	44902	44913	8	198	16	45	3600	0	16	45	119	3%
Geronimo de Alderete	53353	53352	8	390	45	31	2340	0	45	31	77	3%
El Manzano	43704	43703	8	150	22	25	2340	0	22	25	77	3%
Venezuela	53251	53243	8	380	40	34	1080	0	40	34	35	3%
(E) Orompello	54703	53581	8	117	19	22	2160	0	19	22	71	3%
San Jose de la Estrella	43601	865044	8	336	27	45	3600	10	27	45	118	3%
Bahia Inglesa	52371	52572	8	655	87	27	756	25	87	27	25	3%
Bahia Inglesa	52572	52371	8	662	92	26	756	25	92	26	25	3%
San Jose de la Estrella	53201	53103	8	485	55	32	1620	8	55	32	53	3%
San Jose de la Estrella	53502	53363	8	637	51	45	3600	0	51	45	116	3%
Trinidad	53221	53222	5	351	38	33	3240	0	38	33	103	3%
Nueva Uno	54003	44922	8	130	10	45	3600	0	10	45	114	3%
Cleopatra	43801	42882	8	570	54	38	2340	15	54	38	70	3%
(E) Zanjon de Aguada	53692	54703	8	585	47	45	5400	0	47	45	162	3%
Vicente Valdes	53072	53172	6	318	31	37	1170	0	31	37	35	3%
Julio Vildosola	43980	439801	8	50	4	45	3600	0	4	45	107	3%
Desnivel Walker Martinez	53471	53371	6	1230	130	34	1553	31	130	34	46	3%
Julio Vildosola	43887	43980	8	130	10	45	3600	0	10	45	106	3%
(E) Julio Vildosola	439801	43981	8	132	11	45	3600	0	11	45	106	3%
Alonso de Ercilla	800510	53083	8	246	20	45	3600	0	20	45	103	3%
Eugenia	43705	43706	8	48	4	45	3600	0	4	45	101	3%
Volcan Calbuco	54501	54502	8	325	35	33	2160	0	35	33	60	3%
(E) Plaza Vespucio	44905	43882	6	366	34	39	2340	0	34	39	64	3%
(E) Froilan Roa	800570	53081	8	384	31	45	3600	0	31	45	99	3%
(E) Av. Tobaraba	53480	865043	4	220	22	36	3240	0	22	36	89	3%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) Colombia	53073	53075	8	520	57	33	2430	0	57	33	66	3%
Nueva Santa Cruz	43986	43984	8	360	39	33	2160	0	39	33	57	3%
(E) Froilan Roa	44906	800560	8	193	30	23	1620	0	30	23	42	3%
Palena	53683	54705	8	325	38	31	756	0	38	31	20	3%
San Jose de la Estrella	53302	53201	8	405	47	31	1620	4	47	31	42	3%
Geronimo de Alderete	53261	53352	8	481	56	31	2340	0	56	31	60	3%
Las Pataguas	44916	44906	8	340	35	35	1170	0	35	35	30	3%
El Hualle	53743	53960	8	740	70	38	2160	0	70	38	54	3%
Nueva Uno	44922	44915	8	140	11	45	3600	0	11	45	88	2%
(E) Vecinal	54402	54301	4	650	78	30	2160	0	78	30	52	2%
Nueva Uno	43834	43801	8	410	41	36	2340	0	41	36	56	2%
Zanjon de la Aguada	54402	54403	8	600	48	45	5400	0	48	45	127	2%
Zanjon de la Aguada	54403	54504	8	37	3	45	5400	0	3	45	127	2%
(A) Julio	865042	42883	8	315	28	40	2160	0	28	40	51	2%
(E) Julio Cesar	865046	865042	8	345	31	40	2160	0	31	40	51	2%
(E) Bacteriologico	53201	52292	8	310	35	32	2700	0	35	32	63	2%
(E) Zanjon de Aguada	54302	54402	8	416	33	45	5400	0	33	45	126	2%
Rolando Froden	53085	53081	8	366	40	33	2160	48	40	33	50	2%
Av. Macul	865015	865016	8	698	90	28	2160	0	90	28	50	2%
(A) El Nazareno	43981	53080	8	360	29	45	1800	0	29	45	41	2%
(E) Calle Uno	53080	53081	8	180	14	45	1800	0	14	45	41	2%
Rolando Froden	53085	53282	8	629	71	32	2160	48	71	32	49	2%
(E) Av. Tobalaba	865012	53742	4	704	52	49	3240	0	52	49	73	2%
Santa Amalia	53357	53231	8	533	58	33	1620	27	58	33	36	2%
(E) Rojas Magallanes	53742	53741	5	624	41	55	3600	0	41	55	80	2%
(E) San Francisco	53669	53684	8	312	35	32	2160	0	35	32	48	2%
(A) Rojas Magallanes	865020	53963	5	256	18	50	2340	0	18	50	51	2%
Julio Cesar	865045	865046	8	390	39	36	2340	0	39	36	51	2%
(E) San Francisco	53981	865025	8	171	14	45	3600	0	14	45	77	2%
(E) San Francisco	865025	53669	8	352	28	45	3600	0	28	45	77	2%
(A) Rojas Magallanes	53971	865020	5	1200	86	50	2340	0	86	50	50	2%
San Jose de la Estrella	865044	43801	8	154	12	45	3600	10	12	45	76	2%
Santa Delia	54307	54306	8	429	44	35	2160	0	44	35	46	2%
Santa Amalia	53131	53033	8	394	32	45	3600	0	32	45	76	2%
San Pedro	53361	52393	8	520	42	45	1800	0	42	45	36	2%
Fresia	43772	43763	8	360	29	45	3600	0	29	45	69	2%
Nva Exeq. Fdez.	44802	44803	8	270	22	45	3600	0	22	45	68	2%
Lientur	54705	54706	8	455	47	35	1080	0	47	35	20	2%
Mirador Azul	43791	44802	8	414	33	45	3600	0	33	45	65	2%
Nueva Santa Cruz	43984	43986	8	360	39	33	2160	0	39	33	39	2%
(A) El Nazareno	53080	43981	8	360	39	33	1080	0	39	33	19	2%
San Jose de la Estrella	43848	43901	8	520	42	45	3600	13	42	45	64	2%
(E) Av. Tobalaba	53481	53479	4	67	4	60	5400	0	4	60	96	2%
Julio Cesar	865044	865045	8	570	54	38	2340	0	54	38	41	2%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Desnivel Walker Martinez	53371	53471	6	1231	130	34	1946	31	130	34	33	2%
Jardin Alto	865011	53741	8	340	31	40	2160	0	31	40	37	2%
(A) W. Martinez	53671	53669	6	447	47	34	1850	0	47	34	31	2%
Santa Amalia	53357	53431	8	462	52	32	1620	27	52	32	27	2%
(E) Av. Tobalaba	53479	53480	4	364	22	60	5400	0	22	60	89	2%
(E) Trinidad	53346	53478	5	650	43	55	5400	0	43	55	89	2%
(A) Alonso de Ercilla	53085	53171	8	330	41	29	1620	0	41	29	26	2%
Alonso de Ercilla	53083	53085	8	492	54	33	1620	0	54	33	26	2%
(A) W. Martinez	53669	53671	6	447	43	37	1850	0	43	37	30	2%
(A) Nueva Tres	44913	44917	8	105	16	23	1170	0	16	23	18	2%
Don Pepe	43974	43862	8	228	28	29	1080	0	28	29	16	2%
(A) Rojas Magallanes	53964	53967	5	364	24	55	3600	0	24	55	52	1%
(A) Rojas Magallanes	53967	53965	5	104	7	55	3600	0	7	55	52	1%
(A) Rojas Magallanes	53767	53766	5	60	4	55	3600	0	4	55	52	1%
(A) Rojas Magallanes	53965	53767	5	78	5	55	3600	0	5	55	52	1%
Rojas Magallanes	53766	53743	5	78	5	55	3600	0	5	55	52	1%
(A) Rojas Magallanes	53967	53964	5	364	34	39	2340	0	34	39	33	1%
(E) Froilan Roa	44923	44902	8	115	24	17	1620	0	24	17	22	1%
(A) Rojas Magallanes	54004	53971	5	832	54	55	3600	0	54	55	50	1%
Paso El Roble	43806	43807	8	132	11	45	3600	0	11	45	49	1%
(E) San Francisco	53684	53685	8	169	14	45	3600	0	14	45	48	1%
(E) Araucania	54507	54506	8	546	53	37	1080	0	53	37	14	1%
Enrique Olivares	53343	53475	8	598	48	45	3600	0	48	45	47	1%
(E) Orompello	54704	53581	8	442	45	35	1080	0	45	35	14	1%
Alicahue	54505	53471	8	468	53	32	810	0	53	32	10	1%
(A) Santa Julia	865012	865011	8	375	30	45	3600	0	30	45	45	1%
(E) San Francisco	53669	865025	8	352	28	45	3600	0	28	45	45	1%
(E) San Francisco	865025	53981	8	171	14	45	3600	0	14	45	45	1%
Venezuela	53243	53251	8	380	38	36	1170	0	38	36	14	1%
Jardin Alto	54707	54706	8	468	47	36	2160	0	47	36	25	1%
Jardin Alto	54706	54707	8	468	47	36	2160	0	47	36	25	1%
Palena	54705	53683	8	325	38	31	756	0	38	31	9	1%
Santa Raquel	865041	42984	8	232	22	38	2160	0	22	38	24	1%
Alicahue	53474	53473	8	377	40	34	2160	0	40	34	24	1%
Santa Amalia	43845	43831	8	494	49	36	1620	0	49	36	18	1%
Santa Amalia	43831	43845	8	494	49	36	2160	0	49	36	24	1%
Alicahue	53471	53472	8	585	57	37	2160	0	57	37	23	1%
(E) Calle Uno	53081	53080	8	180	14	45	1800	0	14	45	19	1%
Alicahue	53473	53472	8	598	58	37	2160	0	58	37	21	1%
San Jose de la Estrella	53103	53201	8	505	55	33	1620	8	55	33	16	1%
Santa Amalia	53033	53131	8	394	47	30	1620	0	47	30	16	1%
Geronimo de Alderete	53472	54507	8	286	23	45	3600	0	23	45	35	1%
(A) Av. Las Perdices	53963	53964	6	104	7	55	5400	0	7	55	52	1%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) Froilan Roa	44902	44903	8	240	35	25	1620	0	35	25	15	1%
Santa Amalia	53431	53357	8	462	37	45	3600	27	37	45	34	1%
(A) Rojas Magallanes	53766	53767	5	60	4	55	3600	0	4	55	33	1%
(A) Rojas Magallanes	53767	53965	5	78	5	55	3600	0	5	55	33	1%
(A) Rojas Magallanes	53965	53967	5	104	7	55	3600	0	7	55	33	1%
Rojas Magallanes	53743	53766	5	122	8	55	3600	0	8	55	33	1%
(A) Av. Las Perdices	53900	865015	6	165	11	55	5400	0	11	55	50	1%
(E) Departamental	53891	53900	4	650	39	60	5400	0	39	60	50	1%
(A) Santa Ines	53344	53479	8	247	30	30	1620	0	30	30	15	1%
(E) Jardin Alto	53343	53344	8	351	28	45	1800	0	28	45	15	1%
(A) Santa Delia	54305	54306	8	520	52	36	2160	0	52	36	18	1%
(E) Santa Amalia	865039	53431	8	426	43	36	1620	0	43	36	13	1%
Rupanco	43785	43784	8	408	43	34	1080	0	43	34	9	1%
(A) Nueva Cuatro	44918	44920	8	125	20	23	1080	0	20	23	9	1%
(A) Rojas Magallanes	53963	865020	5	256	17	55	3600	0	17	55	28	1%
(A) Santa Sofia	865020	865021	8	378	30	45	3600	0	30	45	28	1%
(E) Av. Peru	53141	53139	8	210	17	45	3600	24	17	45	27	1%
(E) Zanjón de Aguada	54503	54703	8	351	28	45	5400	0	28	45	41	1%
San Jose de la Estrella	53201	53302	8	400	46	31	1620	4	46	31	12	1%
Guacolda	52181	42981	8	977	78	45	1800	12	78	45	13	1%
Jardin Alto	54707	54510	8	144	12	45	3600	0	12	45	25	1%
Santa Julia	54510	865013	8	468	37	45	3600	0	37	45	25	1%
(A) Av. Paseo Pie Andino	54001	54002	4	221	13	60	7200	0	13	60	50	1%
(A) Av. Paseo Pie Andino	54002	54004	4	260	16	60	7200	0	16	60	50	1%
(A) Av. Paseo Pie Andino	865030	865031	4	726	44	60	7200	0	44	60	50	1%
(A) Av. Paseo Pie Andino	865031	54001	4	992	60	60	7200	0	60	60	50	1%
Vicente Valdes	53172	53072	6	318	31	37	1170	0	31	37	8	1%
Geronimo de Alderete	53472	54305	8	390	31	45	3600	0	31	45	24	1%
Santa Julia	865013	865014	8	356	28	45	3600	0	28	45	23	1%
(A) Nueva Tres	44917	44919	8	165	23	26	1080	0	23	26	7	1%
(E) Fresia	43784	43772	8	240	29	30	2160	0	29	30	14	1%
Geronimo de Alderete	53352	53261	8	481	56	31	3600	9	56	31	23	1%
(E) Geronimo de Alderete	54305	53353	8	338	42	29	2430	0	42	29	15	1%
(A) Av. Las Perdices	53964	53963	6	104	7	55	5400	0	7	55	33	1%
(A) Santa Julia	54306	53351	8	325	35	33	3240	0	35	33	20	1%
Geronimo de Alderete	54507	54707	8	481	38	45	3600	0	38	45	21	1%
Alicahue	54504	54505	8	130	10	45	1800	0	10	45	10	1%
San Pedro	52194	52292	8	570	46	45	1800	0	46	45	10	1%
(E) Froilan Roa	44901	44923	8	175	29	22	1620	0	29	22	8	0%
(E) San Antonio	43789	43788	8	108	9	45	1800	0	9	45	8	0%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Santa Amalia	53032	53033	8	208	17	45	3600	0	17	45	16	0%
Santa Julia	53473	54306	8	494	40	45	3600	0	40	45	16	0%
(E) Santa Amalia	53477	865039	8	329	33	36	1620	0	33	36	7	0%
Santa Delia	54304	54305	8	624	58	39	2340	0	58	39	10	0%
(A) Santa Ines	53479	53344	8	247	28	32	1755	0	28	32	7	0%
Lientur	54706	54705	8	455	47	35	1080	0	47	35	4	0%
Venezuela	53242	53243	8	433	45	35	1080	4	45	35	4	0%
Santa Ines	53344	53476	8	624	58	39	1755	0	58	39	7	0%
(E) San Francisco	53684	53669	8	312	25	45	3600	0	25	45	14	0%
(E) San Francisco	53685	53684	8	169	14	45	3600	0	14	45	14	0%
(E) Atahualpa	43782	43781	8	342	27	45	3600	0	27	45	14	0%
(E) Fresia	43781	43784	8	282	23	45	3600	0	23	45	14	0%
(E) Rafael Matus	865041	865042	8	568	58	35	1620	0	58	35	6	0%
(E) Rojas Magallanes	53741	53742	5	624	56	40	2160	0	56	40	8	0%
(E) Santa Julia	54508	53473	8	234	19	45	3600	0	19	45	13	0%
(E) Garcia Lorca	43774	43789	8	108	9	45	3600	0	9	45	12	0%
(A) Santa Julia	865013	54508	8	147	12	45	3600	0	12	45	11	0%
San Pedro	52393	53361	8	520	52	36	1080	0	52	36	3	0%
(A) Los Curas	865032	865039	8	100	10	35	2160	0	10	35	6	0%
(A) Los Curas	865036	865032	8	211	22	35	2160	0	22	35	6	0%
(A) Los Curas	865040	865036	8	125	13	35	2160	0	13	35	6	0%
Don Pepe	43860	43862	8	360	39	33	1080	0	39	33	3	0%
(A) Santa Julia	865011	865013	8	290	23	45	3600	0	23	45	8	0%
San Jose de la Estrella	53302	53363	8	637	51	45	3600	0	51	45	8	0%
(E) Zanjón de Aguada	54703	53692	8	585	62	34	2430	0	62	34	5	0%
Punitaqui	54402	53391	8	260	31	30	2160	0	31	30	4	0%
San Pedro	53501	52393	8	130	10	45	1800	0	10	45	3	0%
(E) Froilan Roa	44904	44905	8	222	33	24	1620	0	33	24	3	0%
Araucania	54708	54508	8	390	31	45	1800	0	31	45	2	0%
(A) Av. Las Perdices	53902	53901	6	624	41	55	5400	0	41	55	5	0%
(A) Av. Las Perdices	53961	53902	6	390	26	55	5400	0	26	55	5	0%
(A) Av. Las Perdices	53963	53961	6	585	38	55	5400	0	38	55	5	0%
San Jose de la Estrella	53363	53502	8	637	60	38	2160	0	60	38	2	0%
(E) Colombia	53075	53142	8	377	45	30	2430	0	45	30	2	0%
General Arriagada	42991	43849	8	520	42	45	2700	0	42	45	2	0%
General Arriagada	43849	43900	8	364	29	45	2700	0	29	45	2	0%
(E) Santa Raquel	800740	43851	8	420	42	36	2340	0	42	36	2	0%
Alicahue	53472	53473	8	598	58	37	2160	0	58	37	1	0%
(E) Mirador Azul	43794	43699	8	130	20	23	2160	0	20	23	1	0%
El Hualle	53960	53743	8	740	70	38	2160	0	70	38	1	0%
Punitaqui	53391	54402	8	260	31	30	2160	0	31	30	1	0%
(A) Santa Sofia	865021	865020	8	378	30	45	3600	0	30	45	2	0%
(E) San Jorge	52692	53360	8	767	77	36	1620	0	77	36	1	0%
Nueva Uno	44915	44916	8	234	26	32	2340	0	26	32	1	0%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
Geronimo de Alderete	800670	800730	8	396	29	49	1800	0	29	49	1	0%
(A) Santa Julia	54508	865013	8	147	12	45	3600	0	12	45	1	0%
(E) Santa Julia	53473	54508	8	234	19	45	3600	0	19	45	1	0%
Geronimo de Alderete	43763	800670	6	472	53	32	2160	0	53	32	1	0%
Geronimo de Alderete	54707	54507	8	481	38	45	3600	0	38	45	1	0%
Cabildo	43884	43787	8	60	5	45	1800	0	5	45	0	0%
Geronimo de Alderete	53762	54707	8	455	36	45	3600	0	36	45	1	0%
Punitaqui	53391	54401	8	338	37	33	2160	0	37	33	0	0%
Geronimo de Alderete	54507	53472	8	286	23	45	3600	0	23	45	1	0%
(E) Jardin Alto	53344	53343	8	351	28	45	1800	0	28	45	0	0%
(A) Santa Julia	53351	54306	8	325	26	45	5400	0	26	45	1	0%
Jardin Alto	54510	54707	8	144	22	24	2160	0	22	24	0	0%
(A) Av. Las Perdices	53901	53902	6	624	41	55	5400	0	41	55	1	0%
(A) Av. Las Perdices	53902	53961	6	390	26	55	5400	0	26	55	1	0%
(A) Av. Las Perdices	53961	53963	6	585	38	55	5400	0	38	55	1	0%
(E) Manutara	43869	43900	8	468	37	45	1080	0	37	45	0	0%
Palena	53581	54705	8	325	38	31	756	0	38	31	0	0%
Santa Julia	865013	54510	8	468	37	45	3600	0	37	45	0	0%
Santa Julia	865014	865013	8	356	28	45	3600	0	28	45	0	0%
Palena	54705	53581	8	325	38	31	756	0	38	31	0	0%
(E) Colombia	53142	53241	8	455	51	32	2430	0	51	32	0	0%
Walker Martinez	53901	865017	8	662	55	43	2160	0	55	43	0	0%
(E) Maria Angelica	53682	53892	8	200	26	28	2160	0	26	28	0	0%
Santa Sofia	865017	865016	8	986	79	45	3600	0	79	45	0	0%
(E) Maria Angelica	53681	53682	8	410	33	45	3600	0	33	45	0	0%
(E) Maria Angelica	53683	53681	8	460	37	45	3600	0	37	45	0	0%
(E) Maria Angelica	53892	865015	8	601	48	45	3600	0	48	45	0	0%
(E) W. Martinez	53981	53901	8	338	37	33	2160	0	37	33	0	0%
(A) Las Tinajas	53970	865021	8	430	37	42	2340	0	37	42	0	0%
(A) Av. Las Perdices	53480	865027	6	685	45	55	5400	0	45	55	0	0%
(A) Av. Las Perdices	53966	53970	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	53969	53966	6	590	39	55	5400	0	39	55	0	0%
(A) Av. Las Perdices	865027	53969	6	169	11	55	5400	0	11	55	0	0%
(A) Av. Central	53961	865019	8	691	80	31	756	0	80	31	0	0%
(A) Av. Central	54002	865024	8	1229	143	31	756	0	143	31	0	0%
(A) Av. Central	865019	53961	8	691	80	31	756	0	80	31	0	0%
(A) Av. Central	865019	865024	8	474	55	31	756	0	55	31	0	0%
(A) Av. Central	865024	54002	8	1229	143	31	756	0	143	31	0	0%
(A) Av. Central	865024	865019	8	474	55	31	756	0	55	31	0	0%
(A) Av. Las Perdices	53901	865015	6	828	62	48	3510	0	62	48	0	0%
(A) Av. Las Perdices	53964	53970	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	53966	53969	6	590	39	55	5400	0	39	55	0	0%
(A) Av. Las Perdices	53969	865027	6	169	11	55	5400	0	11	55	0	0%
(A) Av. Las Perdices	53970	53964	6	780	51	55	5400	0	51	55	0	0%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(A) Av. Las Perdices	53970	53966	6	780	51	55	5400	0	51	55	0	0%
(A) Av. Las Perdices	865015	53901	6	828	54	55	5400	0	54	55	0	0%
(A) Av. Las Perdices	865027	53480	6	685	45	55	5400	0	45	55	0	0%
(A) Av. Paseo Pie Andino	54001	865031	4	992	60	60	7200	0	60	60	0	0%
(A) Av. Paseo Pie Andino	54002	54001	4	221	13	60	7200	0	13	60	0	0%
(A) Av. Paseo Pie Andino	54004	54002	4	260	16	60	7200	0	16	60	0	0%
(A) Av. Paseo Pie Andino	865031	865030	4	726	44	60	7200	0	44	60	0	0%
(A) Cota 835	53971	865024	4	284	17	60	3600	0	17	60	0	0%
(A) Cota 835	865022	865023	4	657	39	60	3600	0	39	60	0	0%
(A) Cota 835	865022	865029	4	957	57	60	3600	0	57	60	0	0%
(A) Cota 835	865023	865022	4	657	39	60	3600	0	39	60	0	0%
(A) Cota 835	865023	865024	4	205	12	60	3600	0	12	60	0	0%
(A) Cota 835	865024	53971	4	284	17	60	3600	0	17	60	0	0%
(A) Cota 835	865024	865023	4	205	12	60	3600	0	12	60	0	0%
(A) Cota 835	865028	865029	4	404	24	60	3600	0	24	60	0	0%
(A) Cota 835	865029	865022	4	957	57	60	3600	0	57	60	0	0%
(A) Cota 835	865029	865028	4	404	24	60	3600	0	24	60	0	0%
(A) El Hualle	53743	53746	8	741	59	45	3600	0	59	45	0	0%
(A) El Hualle	53746	53743	8	741	68	39	2160	0	68	39	0	0%
(A) Fresia	43699	43798	8	250	30	30	2160	0	30	30	0	0%
(A) Jardin Alto	53345	865034	8	78	9	33	2160	0	9	33	0	0%
(A) Jardin Alto	54510	865011	8	680	61	40	2340	0	61	40	0	0%
(A) Jardin Alto	865011	54510	8	680	54	45	3600	0	54	45	0	0%
(A) Jardin Alto	865034	53345	8	78	9	33	2160	0	9	33	0	0%
(A) Jardin Alto	865034	865038	8	222	24	33	2160	0	24	33	0	0%
(A) Jardin Alto	865038	865034	8	222	24	33	2160	0	24	33	0	0%
(A) La Salle Norte	53345	865033	8	630	63	36	2340	0	63	36	0	0%
(A) La Salle Norte	865032	865033	8	322	32	36	2340	0	32	36	0	0%
(A) La Salle Norte	865033	53345	8	630	63	36	2340	0	63	36	0	0%
(A) La Salle Norte	865033	865032	8	322	32	36	2340	0	32	36	0	0%
(A) La Salle Sur	865035	865036	8	288	29	36	2340	0	29	36	0	0%
(A) La Salle Sur	865036	865035	8	288	29	36	2340	0	29	36	0	0%
(A) La Salle Sur	865036	865037	8	320	32	36	2340	0	32	36	0	0%
(A) La Salle Sur	865037	865036	8	320	32	36	2340	0	32	36	0	0%
(A) La Salle Sur	865037	865038	8	630	63	36	2340	0	63	36	0	0%
(A) La Salle Sur	865038	865037	8	630	63	36	2340	0	63	36	0	0%
(A) Las Nalcas	53766	865026	8	720	68	38	2160	0	68	38	0	0%
(A) Las Nalcas	865026	53766	8	720	68	38	2160	0	68	38	0	0%
(A) Las Palmas	44917	44918	8	295	24	45	1800	0	24	45	0	0%
(A) Las Palmas	44918	44922	8	165	21	28	1170	0	21	28	0	0%
(A) Las Palmas	44923	44917	8	260	21	45	1800	0	21	45	0	0%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(A) Las Tinajas	53971	865021	8	1000	88	41	2160	0	88	41	0	0%
(A) Las Tinajas	865021	53970	8	430	38	41	2160	0	38	41	0	0%
(A) Las Tinajas	865021	53971	8	1000	86	42	2340	0	86	42	0	0%
(A) Los Curas	865032	865036	8	211	22	35	2160	0	22	35	0	0%
(A) Los Curas	865036	865040	8	125	13	35	2160	0	13	35	0	0%
(A) Los Curas	865039	865032	8	100	10	35	2160	0	10	35	0	0%
(A) Maria Angelica	865016	865028	8	523	67	28	2160	0	67	28	0	0%
(A) Maria Angelica	865028	865030	8	959	77	45	3600	0	77	45	0	0%
(A) Nueva Cuatro	44914	44918	8	140	19	26	1170	0	19	26	0	0%
(A) Nueva Cuatro	44918	44914	8	140	19	26	1170	0	19	26	0	0%
(A) Nueva Cuatro	44920	44918	8	125	18	25	1170	0	18	25	0	0%
(A) Nueva Tres	44917	44913	8	105	16	23	1170	0	16	23	0	0%
(A) Nueva Tres	44919	44917	8	165	21	28	1170	0	21	28	0	0%
(A) Rojas Magallanes	53971	54004	5	832	65	46	2340	0	65	46	0	0%
(A) Rojas Magallanes	865020	53971	5	1200	79	55	3600	0	79	55	0	0%
(A) Santa Amalia	53345	53480	8	364	33	40	2340	0	33	40	0	0%
(A) Santa Amalia	53480	53345	8	364	33	40	2340	0	33	40	0	0%
(A) Santa Julia	865013	865011	8	290	23	45	3600	0	23	45	0	0%
(A) Santa Sofia	865017	865018	8	629	50	45	3600	0	50	45	0	0%
(A) Santa Sofia	865018	865017	8	629	50	45	3600	0	50	45	0	0%
(A) Santa Sofia	865018	865019	8	232	19	45	3600	0	19	45	0	0%
(A) Santa Sofia	865019	865018	8	232	19	45	3600	0	19	45	0	0%
(A) Santa Sofia	865019	865020	8	378	30	45	3600	0	30	45	0	0%
(A) Santa Sofia	865020	865019	8	378	30	45	3600	0	30	45	0	0%
(A) W. Martinez	54001	865022	8	1115	93	43	2160	0	93	43	0	0%
(A) W. Martinez	865017	865022	8	474	40	43	2160	0	40	43	0	0%
(A) W. Martinez	865022	54001	8	1115	93	43	2160	0	93	43	0	0%
(A) W. Martinez	865022	865017	8	474	40	43	2160	0	40	43	0	0%
(E) Araucania	54506	54507	8	546	53	37	1080	0	53	37	0	0%
(E) Araucania	54507	54509	8	511	51	36	1080	0	51	36	0	0%
(E) Araucania	54508	54509	8	100	18	20	1080	0	18	20	0	0%
(E) Araucania	54509	54507	8	511	51	36	1080	0	51	36	0	0%
(E) Araucania	54509	54508	8	100	18	20	1080	0	18	20	0	0%
(E) Atahualpa	43781	43780	8	240	29	30	2160	0	29	30	0	0%
(E) Av. Peru	53141	53144	8	468	53	32	1215	0	53	32	0	0%
(E) Av. Peru	53144	53141	8	468	53	32	1215	0	53	32	0	0%
(E) Av. Peru	53144	53145	8	377	45	30	1620	0	45	30	0	0%
(E) Av. Peru	53145	53144	8	377	45	30	1620	0	45	30	0	0%
(E) Av. Peru	53145	53146	8	494	49	36	2160	0	49	36	0	0%
(E) Av. Peru	53146	53145	8	494	54	33	1620	0	54	33	0	0%
(E) Av. Tobalaba	53422	865043	4	179	11	60	5400	0	11	60	0	0%
(E) Av. Tobalaba	53481	53742	4	700	57	44	3240	0	57	44	0	0%
(E) Av. Tobalaba	53742	53481	4	700	42	60	5400	0	42	60	0	0%
(E) Av. Tobalaba	865043	53422	4	179	18	36	3240	0	18	36	0	0%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veg]	FFIJO [veg]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veg]	SAT %
(E) Fresia	43798	43781	8	264	31	31	2160	0	31	31	0	0%
(E) Froilan Roa	44903	44904	8	102	8	45	3600	0	8	45	0	0%
(E) Jardin Alto	53344	53345	8	260	31	30	2160	0	31	30	0	0%
(E) Jardin Alto	53345	53344	8	260	21	45	3600	0	21	45	0	0%
(E) Las Araucarias	53669	53681	8	330	34	35	2340	0	34	35	0	0%
(E) Las Araucarias	53681	53669	8	330	36	33	2160	0	36	33	0	0%
(E) Las Nalcas	53765	53766	8	720	68	38	2160	0	68	38	0	0%
(E) Las Nalcas	53766	53765	8	720	68	38	2160	0	68	38	0	0%
(E) Las Nalcas	865026	865027	8	627	59	38	2160	0	59	38	0	0%
(E) Las Nalcas	865027	865026	8	627	59	38	2160	0	59	38	0	0%
(E) Las Tinajas	53744	53746	8	130	19	25	2340	0	19	25	0	0%
(E) Las Tinajas	53745	53968	8	195	16	45	3600	0	16	45	0	0%
(E) Las Tinajas	53745	865026	8	246	23	38	2340	0	23	38	0	0%
(E) Las Tinajas	53746	53744	8	130	20	23	2160	0	20	23	0	0%
(E) Las Tinajas	53746	865026	8	300	24	45	3600	0	24	45	0	0%
(E) Las Tinajas	53968	53745	8	195	16	45	3600	0	16	45	0	0%
(E) Las Tinajas	53968	53970	8	286	33	31	2160	0	33	31	0	0%
(E) Las Tinajas	53970	53968	8	286	23	45	3600	0	23	45	0	0%
(E) Las Tinajas	865026	53745	8	246	20	45	3600	0	20	45	0	0%
(E) Las Tinajas	865026	53746	8	300	28	38	2340	0	28	38	0	0%
(E) Longitudinal	53902	865018	8	777	65	43	2160	0	65	43	0	0%
(E) Longitudinal	54002	865023	8	1206	101	43	2160	0	101	43	0	0%
(E) Longitudinal	865018	53902	8	777	65	43	2160	0	65	43	0	0%
(E) Longitudinal	865018	865023	8	490	41	43	2160	0	41	43	0	0%
(E) Longitudinal	865023	54002	8	1206	101	43	2160	0	101	43	0	0%
(E) Longitudinal	865023	865018	8	490	41	43	2160	0	41	43	0	0%
(E) Los Husares	54701	54702	8	403	43	34	2160	0	43	34	0	0%
(E) Maria Angelica	53681	53683	8	460	52	32	1620	0	52	32	0	0%
(E) Maria Angelica	53682	53681	8	410	33	45	3600	0	33	45	0	0%
(E) Maria Angelica	53892	53682	8	200	16	45	3600	0	16	45	0	0%
(E) Maria Angelica	865015	53892	8	601	77	28	2160	0	77	28	0	0%
(E) Mirador Azul	44913	44914	8	270	22	45	1800	0	22	45	0	0%
(E) Mirador Azul	44914	44915	8	210	27	28	1080	0	27	28	0	0%
(E) Orompello	53581	54704	8	442	45	35	1080	0	45	35	0	0%
(E) Pudeto	43805	43807	8	192	23	30	1170	0	23	30	0	0%
(E) Pudeto	43807	43810	8	192	26	27	1080	0	26	27	0	0%
(E) Pudeto	43810	43786	8	168	13	45	1800	0	13	45	0	0%
(E) Rafael Matus	865042	865041	8	568	58	35	1620	0	58	35	0	0%
(E) San Carlos de Ancud	43810	43809	8	108	9	45	3600	0	9	45	0	0%
(E) San Carlos de Ancud	43811	43810	8	84	7	45	3600	0	7	45	0	0%
(E) San Carlos de Ancud	43883	43811	8	60	5	45	3600	0	5	45	0	0%

NOMBRE	NODOA	NODOB	CATEGOR IA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
(E) Santa Amalia	53345	53477	8	650	60	39	2340	0	60	39	0	0%
(E) Santa Amalia	53431	865039	8	426	38	40	2340	0	38	40	0	0%
(E) Santa Amalia	53477	53345	8	650	52	45	3600	0	52	45	0	0%
(E) Santa Amalia	865039	53477	8	329	30	40	2340	0	30	40	0	0%
(E) Trinidad	53346	53422	5	520	49	38	3240	0	49	38	0	0%
(E) Trinidad	53422	53346	5	520	34	55	5400	0	34	55	0	0%
(E) Vecinal	54301	54402	4	650	78	30	2160	0	78	30	0	0%
(E) W. Martinez	53901	53981	8	338	27	45	3600	0	27	45	0	0%
Alicahue	53473	53474	8	377	40	34	2160	0	40	34	0	0%
Araucania	54508	54708	8	390	41	34	1080	0	41	34	0	0%
Av. Macul	865016	865029	8	454	58	28	2160	0	58	28	0	0%
Av. Macul	865029	865016	8	454	36	45	2160	0	36	45	0	0%
Av. Macul	865029	865031	8	920	74	45	2160	0	74	45	0	0%
Av. Macul	865031	865029	8	920	118	28	2160	0	118	28	0	0%
Bellavista	43808	43811	8	180	24	27	1080	0	24	27	0	0%
Bellavista	43811	43787	8	198	16	45	1800	0	16	45	0	0%
Cabildo	43786	43785	8	90	22	15	810	0	22	15	0	0%
Cabildo	43787	43786	8	60	5	45	1800	0	5	45	0	0%
Don Pepe	43862	43860	8	360	29	45	1800	0	29	45	0	0%
Eugenia	43706	43707	8	120	20	22	2340	0	20	22	0	0%
Geronimo de Alderete	54707	53762	8	455	51	32	1620	0	51	32	0	0%
Geronimo de Alderete	800670	800700	8	162	24	24	1170	0	24	24	0	0%
Geronimo de Alderete	800700	800660	8	160	24	24	1800	0	24	24	0	0%
Las Acacias	43870	43775	8	102	8	45	3600	0	8	45	0	0%
Maria Cristina	53682	865025	8	578	72	29	2160	0	72	29	0	0%
Maria Cristina	53761	53764	8	220	27	29	2160	0	27	29	0	0%
Maria Cristina	53761	865025	8	604	48	45	3600	0	48	45	0	0%
Maria Cristina	53764	53761	8	220	18	45	3600	0	18	45	0	0%
Maria Cristina	53764	53765	8	240	29	30	2160	0	29	30	0	0%
Maria Cristina	53765	53764	8	240	29	30	2160	0	29	30	0	0%
Maria Cristina	865025	53682	8	578	46	45	3600	0	46	45	0	0%
Maria Cristina	865025	53761	8	604	75	29	2160	0	75	29	0	0%
Mauro	43708	43706	8	150	12	45	1800	0	12	45	0	0%
Membrillar	43804	43805	8	144	19	27	1170	0	19	27	0	0%
Membrillar	44904	44804	8	312	35	32	1080	0	35	32	0	0%
Palena	53581	54505	8	390	45	31	756	0	45	31	0	0%
Palena	54505	53581	8	390	45	31	756	0	45	31	0	0%
Punitaqui	54401	53391	8	338	37	33	2160	0	37	33	0	0%
Rupanco	43784	43783	8	282	33	31	1080	0	33	31	0	0%
San Alfonso	43701	43702	8	102	8	45	1800	0	8	45	0	0%
San Alfonso	43702	43701	8	102	8	45	1800	0	8	45	0	0%
San Pedro	52292	52392	8	445	46	35	1080	0	46	35	0	0%
Santa Delia	54306	54307	8	429	44	35	2160	0	44	35	0	0%
Santa Ines	53433	53476	8	858	77	40	1755	0	77	40	0	0%

NOMBRE	NODOA	NODOB	CATEGORIA	LONGITUD [m]	TPOFLIBRE [seg]	VEL_FLIBRE [km/hr]	CAPAC [veq]	FFIJO [veq]	TPO_EQ_1 [seg]	VEL_EQ [km/hr]	FLUJO_EQ [veq]	SAT %
Santa Ines	53476	53344	8	624	58	39	1755	0	58	39	0	0%
Santa Ines	53476	53433	8	858	79	39	1620	0	79	39	0	0%
Santa Julia	54306	53473	8	494	40	45	3600	0	40	45	0	0%
Santa Raquel	800630	43773	6	468	31	55	3600	0	31	55	0	0%
Santa Sofia	865016	865017	8	986	79	45	3600	0	79	45	0	0%
Volcan Punitaqui	54702	54703	8	273	32	31	2160	0	32	31	0	0%
Walker Martinez	865017	53901	8	662	55	43	2160	0	55	43	0	0%