

Night Allocation Protection Report

Call: KRPI
 Freq: 1550 kHz
 FERNDALE, WA, US
 Hours: D
 Lat: 48-50-35 N [NAD27]
 Lng: 122-36-05 W
 Power: 0.9 kW
 Theo RMS: 272.42 mV/m @ 1km @ 0.9 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
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1	1.000	0.0	0.0	0.0	80.0	0	0	0.0	0.0	0.0	0.0
2	1.381	50.8	145.0	200.0	80.0	0	0	0.0	0.0	0.0	0.0
3	0.488	103.0	290.0	200.0	80.0	0	0	0.0	0.0	0.0	0.0

Call Letters	Ct	St	City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
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CBEF/ (331)	CA	ON	Windsor	78.28	0.00	0.00	5.53	0.500	451.94S	451.32	0.62
KXPA	US	WA	BELLEVUE	167.26	44.94	58.85	343.58	1.922	279.73	67.40	212.33
50% = 7.308, 25% = 7.689; K KOV=4.48 KFBK=4.22 KXEL=3.94 KMPC=2.39											
KKOV	US	WA	VANCOUVER	178.91	21.24	33.10	163.77	8.251	251.91	22.59	229.32
50% = 16.777, 25% = 17.606; K ZDG=14.61 KRPI=8.25 KXEX=5.34											
CBEF/ (24)	CA	ON	Windsor	86.00	0.00	0.00	3.25	0.500	768.36G	470.60	297.76
KZDG	US	CA	SAN FRANCISCO	178.68	3.69	7.92	27.05	1.847	341.43	20.27	321.16
50% = 5.716, 25% = 7.389; XEBG/A=4.63 KNZR=3.35 KXEX=2.78 KMPC=2.49 KWRN=2.14 KMRI=1.85											
KKCL	US	CO	GOLDEN	119.45	1.03	4.20	13.05	1.736	665.18	301.77	363.41
50% = 5.179, 25% = 6.943; KESJ=3.79 KMRI=3.53 KWRN=2.28 XERUV/A=2.21 KXEX=2.14 KXEL=1.85 XEBG/A=1.82											
KKCL	US	CO	GOLDEN	119.58	0.95	4.08	12.82	1.728	673.67	300.54	373.12
50% = 5.132, 25% = 6.912; KESJ=3.81 KMRI=3.43 KWRN=2.27 XERUV/A=2.24 KXEX=2.14 KXEL=1.83 XEBG/A=1.82											
KMRI	US	UT	WEST VALLEY CIT	133.46	3.93	8.25	25.23	3.063	607.13	168.61	438.52
50% = 7.251, 25% = 8.864; KXEX=4.47 KZDG=4.40 KWRN=3.64 KRPI=3.06 K KOV=2.92 XEBG/A=2.84											
KMRI	US	UT	WEST VALLEY CIT	133.46	3.93	8.26	25.23	3.064	607.13	168.59	438.54

50% = 7.252, 25% = 8.865; KXEX=4.47 KZDG=4.40 KWRN=3.64 KRPI=3.06 KKV=2.92 XEBG/A=2.84

KESJ US MO ST. JOSEPH 104.11 0.00 0.23 5.39 0.984 913.35 427.56 485.80
50% = 3.632, 25% = 3.936; CBEF/ =2.72 XERUV/A=2.40 KXEL=1.15 XECCAW/ =0.99

XEBG/A MX BN TIJUANA 163.57 1.61 1.61 12.77 1.424 557.89 25.86 532.03
50% = 2.849, 25% = 3.938; KMRI=2.42 KKV=1.51 KKCL=1.21 XERUV/A=1.17 KZDG=1.16 KWRN=1.10 KRPI=1.03
KXEX=0.97

XEBG/O MX BN TIJUANA 163.55 1.61 1.61 12.76 1.425 558.18 25.88 532.30
50% = 2.85, 25% = 3.938; KMRI=2.42 KKV=1.51 KKCL=1.22 XERUV/A=1.17 KZDG=1.16 KWRN=1.10 KRPI=1.03
KXEX=0.96

KZIZ US WA PACIFIC 171.05 38.11 52.48 300.86 3.712 616.84 55.07 561.77
50% = 14.192, 25% = 14.847; KNZR=11.38 KVAN=8.48 KKV=4.36

KXEX US CA FRESNO 169.82 2.98 6.90 23.61 2.946 623.80 21.62 602.18
50% = 11.782, 25% = 11.782; KZDG=7.65 XEBG/A=6.77 KNZR=5.87

XERUV/A (341) MX VC ACAJETE 134.74 0.00 0.00 2.34 0.500 1067.85S 157.67 910.18

KVAN US WA BURBANK 136.57 18.86 29.92 139.27 3.300 1184.61 144.55 1040.06
50% = 13.198, 25% = 13.198; KNZR=13.20

KWRN US CA APPLE VALLEY 162.26 1.25 4.50 16.95 3.825 1128.60 27.52 1101.08
50% = 15.302, 25% = 15.302; XEBG/A=12.96 KXEX=8.13

KNZR (340) US CA BAKERSFIELD 168.62 2.64 6.42 22.19 0.500 1126.73G 22.18 1104.55

KUAZ US AZ TUCSON 147.82 0.00 1.72 10.76 2.527 1173.92 69.30 1104.62
50% = 9.423, 25% = 10.411; XEBG/A=6.22 KXEX=5.07 KWRN=4.94 XERUV/A=3.64 KKCL=2.53

XERUV/A (342) MX VC JALAPA 135.53 0.00 0.00 1.97 0.500 1271.19S 150.99 1120.20

WLTJ US IN NEW CASTLE 94.62 0.00 0.00 2.48 2.034 4101.57 466.81 3634.76
50% = 7.401, 25% = 8.135; CBEF/ =7.40 KXEL=3.38

WRHC US FL CORAL GABLES 109.60 0.00 0.00 1.83 1.600 4367.96 389.42 3978.54
50% = 4.849, 25% = 6.596; XERUV/A=4.21 HITS-C=2.41 ZNS-1-A=2.26 HJZI-A=2.20 HRNN 37-A=2.11 WSDK=1.74
CBEF/ =1.60

KXEL (278) US IA WATERLOO 97.57 0.00 0.76 5.31 0.500 4703.87G 458.53 4245.33

UNK-B (10) CJ GUN BLUFF 109.08 0.00 0.00 0.59 0.732 6230.96S 393.47 5837.50

50% = 1.631, 25% = 1.836; HITS-C=1.08 XERUV/A=0.98 HRNN 37-A=0.73 WSDK=0.61
CBEF/ =0.58

CBSI-8/ 50% = 4.19, 25% = 4.19; CBEF/ =4.19	CA QC La Romaine	63.70	0.00	0.00	1.58	2.095	6630.31	379.53	6250.78
KMPC 50% = 7.92, 25% = 8.465; KFBK=6.70 KXEL=4.22 KEDA=2.99	US CA LOS ANGELES	165.85	1.10	4.29	16.62	2.116	6365.64	23.88	6341.75
KREA 50% = 1.834, 25% = 2.016; KMPC=1.60 KXEL=0.89 KXPA=0.84	US HI HONOLULU	238.23	0.00	0.00	3.53	0.504	7136.77	27.97	7108.81
KENT 50% = 11.633, 25% = 12.06; KMPC=10.10 KXEL=5.78 KEDA=3.18	US NV ENTERPRISE	154.48	1.83	5.28	18.45	3.015	8170.92	43.65	8127.28
XENU/A 50% = 15.643, 25% = 18.461; XERUV/A=13.99 XECCAW/ =7.00 XETAM/A=5.18 XE/A=4.97 XE0032/A=4.82 XEDV/A=4.62	MX TA NUEVO LAREDO	131.81	0.00	0.00	3.35	6.999	10435.39	183.23	10252.16
KAMM 50% = 4.174, 25% = 5.024; KXEL=4.17 ZNS-1-A=1.44 XE/A=1.42 KEDA=1.38 CHIN/ =1.35	US TX UNIVERSITY PARK	120.52	0.00	0.00	5.29	1.256	11870.09	291.40	11578.69
KEDA 50% = 4.097, 25% = 5.418; KXEL=2.70 XE/A=2.28 KAMM=2.08 XE/A=1.90 XEVF/A=1.77 ZNS-1-A=1.53 YNR10-A=1.33 CHIN/ =1.32	US TX SAN ANTONIO	127.60	0.00	0.00	5.07	1.319	13003.77	222.50	12781.27
WKFE 50% = 9.004, 25% = 10.71; HITS-C=9.00 HJZI-A=4.20 HJCB-A=3.02 ZNS-1-A=2.62	US PR YAUCO	104.24	0.00	0.00	0.96	2.618	13587.54	426.76	13160.78
CMOR-D 50% = 3.808, 25% = 3.931; WRHC=2.66 XERUV/A=2.06 HRNN 37-A=1.78 HITS-C=0.97	CU NUEVA GERONA	116.13	0.00	0.00	0.55	1.904	17203.06	333.22	16869.84
KEBC 50% = 8.387, 25% = 8.789; XERF/A=8.39 WFME=2.63	US OK DEL CITY	116.69	0.00	0.00	5.94	2.197	18493.50	328.06	18165.44
KGBC 50% = 4.636, 25% = 6.528; KXEL=4.14 CHIN/ =2.08 KEDA=2.06 ZNS-1-A=2.06 XEVF/A=1.93 XE/A=1.85 XE/A=1.72 KAMM=1.60	US TX GALVESTON	122.45	0.00	0.00	4.20	1.596	19012.19	272.61	18739.58
XE0031/A 50% = 20.277, 25% = 24.922; XERUV/A=20.28 XE0032/A=9.52 XEDV/A=7.98 XE/A=7.46	MX AG AGUASCALIENTES	141.86	0.00	0.00	2.52	10.138	20131.62	103.63	20027.99
XECCAW/ 50% = 20.595, 25% = 25.355; XERUV/A=20.59 XE0032/A=9.69 XEDV/A=8.19 XE/A=7.60	MX JA ENCARNACION DE	142.03	0.00	0.00	2.46	10.297	20889.86	102.48	20787.38

XETAM/A	MX TA CD.VICTORIA	135.21	0.00	0.00	2.56	11.005	21496.99	153.66	21343.33
50% = 22.011, 25% = 26.898; XERUV/A=22.01 XECCAW/ =9.34 XE/A=7.59 XEDV/A=7.06 XE0032/A=6.65									
YNBP-B	NU SONIDO POPUL	128.28	0.00	0.00	0.41	1.836	22255.17	216.00	22039.17
50% = 3.673, 25% = 4.077; HRNN 37-A=2.87 XERUV/A=2.30 HJZI-A=1.33 HJGY-A=1.16									
HRNN 37-A	HO S PEDRO SULA	127.63	0.00	0.00	0.50	2.271	22892.97	222.16	22670.81
50% = 4.543, 25% = 4.807; XERUV/A=4.54 XE/A=1.57									
XE/A	MX HG PACHUCA	137.87	0.00	0.00	2.04	9.329	22873.89	132.35	22741.54
50% = 18.658, 25% = 22.761; XERUV/A=16.05 XEDV/A=9.51 XECCAW/ =9.32 XE0032/A=7.04 XEREL/A=5.79									
XE0032/A	MX JA GUADALAJARA	144.41	0.00	0.00	2.40	11.318	23593.47	87.62	23505.85
50% = 22.636, 25% = 25.855; XERUV/A=19.17 XECCAW/ =12.04 XEDV/A=7.80 XE/A=7.07 XE0031/A=6.73									
WGLB	US WI ELM GROVE	90.62	0.00	0.00	2.98	1.474	24694.33	472.25	24222.08
50% = 5.368, 25% = 5.896; WFME=5.37 XERF/A=1.73 CBEF/ =1.72									
WFME (221)	US NY NEW YORK	86.28	0.00	0.00	1.00	0.500	25009.08G	470.93	24538.15
XEREL/A	MX MC MORELIA	141.94	0.00	0.00	2.13	11.125	26138.37	103.07	26035.30
50% = 22.25, 25% = 29.576; XERUV/A=22.25 XECCAW/ =10.96 XEDV/A=10.40 XE0032/A=8.77 XE/A=8.63									
XEDV/A	MX MX EL ORO	140.19	0.00	0.00	2.08	10.868	26154.04	115.13	26038.91
50% = 21.735, 25% = 28.086; XERUV/A=21.74 XECCAW/ =10.32 XE/A=9.62 XE0032/A=7.97 XEREL/A=7.34									
XEREL/A	MX MC MORELIA	141.88	0.00	0.00	2.12	11.134	26257.64	103.50	26154.14
50% = 22.267, 25% = 29.565; XERUV/A=22.27 XECCAW/ =10.87 XEDV/A=10.48 XE0032/A=8.68 XE/A=8.66									
XEREL1/A	MX MC MORELIA	141.97	0.00	0.00	2.12	11.141	26257.46	102.91	26154.54
50% = 22.282, 25% = 29.562; XERUV/A=22.28 XECCAW/ =10.89 XEDV/A=10.39 XE0032/A=8.73 XE/A=8.63									
WITK	US PA PITSTON	84.99	0.00	0.00	1.05	6.088	29108.13	469.19	28638.94
50% = 24.351, 25% = 24.351; CBEF/ =24.35									
CMHO-D	CU NUEVITAS	110.74	0.00	0.00	0.47	2.807	30164.48	380.34	29784.14
50% = 2.849, 25% = 3.272; HITS-C=2.23 WRHC=1.78 HJCB-A=1.07 HRNN 37-A=0.89 HJGY-A=0.80									
WSDK	US CT BLOOMFIELD	82.22	0.00	0.00	0.77	5.005	32436.57	463.49	31973.08
50% = 17.938, 25% = 20.021; CBEF/ =14.99 WFME=9.86 WITK=8.89									
TGCK-B	GT SULTANA	129.83	0.00	0.00	0.50	3.284	32596.33	201.43	32394.90
50% = 6.568, 25% = 6.855; XERUV/A=5.37 HRNN 37-A=3.78 XE/A=1.96									

XE/A	MX	OA	PUERTO ESCONDID	138.86	0.00	0.00	1.57	11.181	35499.56	124.80	35374.76
50% = 22.362, 25% = 24.032; XERUV/A=22.36 XEDV/A=6.47 XECCAW/ =5.97											
KTXZ	US	TX	WEST LAKE HILLS	125.16	0.00	0.00	5.06	4.515	44608.74	246.05	44362.69
50% = 17.417, 25% = 18.059; XERF/A=17.42 KEBC=4.78											
KGOW	US	TX	BELLAIRE	123.07	0.00	0.00	4.51	4.543	50390.91	266.49	50124.42
50% = 18.17, 25% = 18.17; XERF/A=13.26 KTXZ=12.43											
LRK359-A	AR		TRANCAS	130.96	0.00	0.00	0.13	1.583	61856.34	190.96	61665.38
50% = 3.166, 25% = 3.844; CP 115-A=2.59 CP 50-A=1.82 CC 155-A=1.35 LT40-A=1.03 LT23-A=0.99											
LRJ381-A=0.94											
ZYK590-A	BR		GUARUJA	115.84	0.00	0.00	0.11	1.641	73683.76	335.91	73347.86
50% = 3.482, 25% = 5.325; ZYK-572-A=1.84 ZYL-289-A=1.78 ZYK-528-A=1.69 ZYK-501-A=1.64 ZYK-623-A=1.64											
ZYL222-A=1.60 ZYJ-479-A=1.58 ZYJ-213-A=1.51 ZYK-659-A=1.50 ZYJ206-A=1.43 UNK-A=1.38											
UNK-A	BR		PALMITAL 1	120.63	0.00	0.00	0.12	1.809	77834.43	290.35	77544.07
50% = 3.617, 25% = 5.388; ZYK590-A=2.38 ZYJ-303-A=1.97 ZYJ-315-A=1.88 ZYJ-213-A=1.75 ZYK-501-A=1.65											
ZYJ206-A=1.56 ZYK-623-A=1.45 ZYK-715-A=1.40 ZYK-572-A=1.37 ZYJ814-A=1.34											
ZYK-623-A	BR		PEDERNEIRAS	116.55	0.00	0.00	0.12	1.849	79641.12	329.34	79311.78
50% = 4.045, 25% = 6.233; ZYK590-A=3.07 ZYK-572-A=1.87 ZYK-528-A=1.85 ZYK-501-A=1.78 ZYK-659-A=1.77											
ZYJ206-A=1.73 ZYK-715-A=1.70 ZYL222-A=1.64 ZYL-289-A=1.64 ZYJ-213-A=1.57 UNK-A=1.57											
ZYJ-303-A	BR		FORMOSA DOES	121.05	0.00	0.00	0.12	1.891	80044.41	286.24	79758.17
50% = 3.782, 25% = 5.652; ZYK590-A=2.14 UNK-A=1.84 ZYJ-315-A=1.81 UNK-A=1.74 ZYJ-213-A=1.58 UNK-A=1.57											
ZYK-501-A=1.52 UNK-A=1.48 ZYJ206-A=1.47 UNK-A=1.47 ZYK-715-A=1.41 ZYK-623-A=1.38											
ZYJ-315-A	BR		MARMELEIRO	122.03	0.00	0.00	0.12	1.848	80187.16	276.71	79910.45
50% = 3.696, 25% = 5.52; ZYK590-A=2.12 ZYJ-303-A=1.78 UNK-A=1.74 UNK-A=1.73 UNK-A=1.72 ZYJ-213-A=1.63											
UNK-A=1.56 UNK-A=1.53 UNK-A=1.53 ZYK-501-A=1.47 ZYJ814-A=1.38											
ZYL222-A	BR		CARMO R CLAR	113.77	0.00	0.00	0.12	1.854	80476.85	354.67	80122.18
50% = 4.001, 25% = 5.68; ZYK590-A=3.01 ZYK-528-A=1.87 ZYL-289-A=1.85 ZYK-659-A=1.81 ZYK-572-A=1.70											
ZYL-211-A=1.68 ZYK-623-A=1.64 ZYJ-479-A=1.58 ZYK-715-A=1.44											
ZYK-501-A	BR		ITARARE	118.10	0.00	0.00	0.11	1.850	80951.44	314.73	80636.71
50% = 4.085, 25% = 6.192; ZYK590-A=3.08 UNK-A=1.95 ZYJ-213-A=1.85 ZYJ206-A=1.84 ZYK-623-A=1.78											
ZYK-572-A=1.76 ZYK-528-A=1.60 UNK-A=1.57 UNK-A=1.55 ZYJ-303-A=1.52 ZYK-715-A=1.52											
ZYK-528-A	BR		TAMBAU	115.08	0.00	0.00	0.12	1.874	81196.57	342.89	80853.68
50% = 4.149, 25% = 6.123; ZYK590-A=3.17 ZYK-659-A=1.91 ZYL222-A=1.87 ZYK-572-A=1.87 ZYK-623-A=1.85											
ZYL-289-A=1.84 ZYL-211-A=1.62 ZYK-501-A=1.60 ZYK-715-A=1.57 ZYJ206-A=1.53											

ZYK-659-A BR S J DA BARRA 114.79 0.00 0.00 0.12 1.927 81895.77 345.49 81550.28
50% = 3.854, 25% = 5.834; ZYK590-A=2.81 ZYK-528-A=1.91 ZYL222-A=1.81 ZYL-211-A=1.78 ZYK-623-A=1.77
ZYK-572-A=1.69 ZYK-715-A=1.69 ZYL-289-A=1.67 ZYK-501-A=1.49 ZYJ206-A=1.47

ZYJ206-A BR JACAREZINHO 117.95 0.00 0.00 0.12 1.971 84740.18 316.20 84423.98
50% = 3.941, 25% = 6.344; ZYK590-A=2.87 ZYK-501-A=1.97 ZYK-623-A=1.85 UNK-A=1.79 ZYJ-213-A=1.71
ZYK-572-A=1.71 ZYK-715-A=1.68 UNK-A=1.67 ZYK-528-A=1.63 ZYK-659-A=1.57 ZYJ-303-A=1.57 UNK-A=1.56

ZYL-289-A BR S RITA SAPUC 114.31 0.00 0.00 0.11 1.917 84808.46 349.88 84458.58
50% = 3.834, 25% = 5.832; ZYK590-A=3.36 ZYL222-A=1.85 ZYK-528-A=1.84 ZYK-572-A=1.78 ZYJ-479-A=1.70
ZYK-659-A=1.67 ZYK-623-A=1.64 ZYK-501-A=1.49 ZYL-211-A=1.48

UNK-A BR MANDAGUACU 119.59 0.00 0.00 0.12 2.007 84823.10 300.49 84522.61
50% = 3.46, 25% = 5.561; ZYK590-A=2.41 ZYJ-303-A=1.85 ZYK-501-A=1.66 ZYJ206-A=1.66 ZYJ-315-A=1.65
ZYJ-213-A=1.64 ZYK-715-A=1.61 ZYK-623-A=1.57 ZYK-572-A=1.43 ZYK-528-A=1.36 ZYK-659-A=1.36

UNK-A BR JUAZEIRO 102.11 0.00 0.00 0.13 2.134 85059.63 438.79 84620.84
50% = 1.302, 25% = 1.49; ZYH-461-A=1.30 ZYL-211-A=0.49 ZYK590-A=0.38 ZYL222-A=0.38

ZYK-715-A BR AURIFLAMA 116.81 0.00 0.00 0.12 2.065 85674.99 326.94 85348.05
50% = 3.425, 25% = 5.668; ZYK590-A=2.45 ZYK-623-A=1.70 ZYK-659-A=1.69 ZYJ206-A=1.57 ZYK-528-A=1.57
ZYL-211-A=1.53 UNK-A=1.52 ZYK-501-A=1.52 ZYK-572-A=1.51 UNK-A=1.47 ZYL222-A=1.44 ZYJ-303-A=1.41

UNK-A BR TIBAGI 119.13 0.00 0.00 0.11 1.981 86285.52 304.84 85980.68
50% = 3.963, 25% = 5.819; ZYK590-A=2.78 ZYJ-213-A=2.00 ZYK-501-A=1.99 ZYJ206-A=1.73 ZYJ-303-A=1.67
ZYK-623-A=1.66 ZYJ-315-A=1.66 ZYK-572-A=1.60 ZYK-715-A=1.48 ZYK-528-A=1.45

ZYJ-213-A BR PALMEIRA 119.40 0.00 0.00 0.11 1.955 86355.10 302.31 86052.78
50% = 3.911, 25% = 5.944; ZYK590-A=2.83 UNK-A=1.97 ZYK-501-A=1.85 ZYJ-315-A=1.67 UNK-A=1.64
ZYJ206-A=1.60 ZYJ-303-A=1.58 ZYK-623-A=1.57 ZYK-572-A=1.56 UNK-A=1.55 UNK-A=1.49

ZYK-572-A BR CAPIVARI 116.08 0.00 0.00 0.11 1.973 86604.25 333.76 86270.50
50% = 3.945, 25% = 6.194; ZYK590-A=3.47 ZYK-528-A=1.87 ZYK-623-A=1.87 ZYL-289-A=1.78 ZYK-501-A=1.76
ZYL222-A=1.70 ZYK-659-A=1.69 ZYJ206-A=1.60 ZYJ-213-A=1.56 ZYK-715-A=1.51

CB 155-A CI PUTAENDO 1 138.42 0.00 0.00 0.12 2.108 86455.81 128.14 86327.68
50% = 4.215, 25% = 4.394; CC 155-A=3.60 LRK359-A=2.20 CD 155-A=1.24

LRJ381-A AR RIVADAVIA 137.09 0.00 0.00 0.12 2.061 86590.72 138.40 86452.32
50% = 4.123, 25% = 4.668; CC 155-A=3.39 LRK359-A=2.35 CB 155-A=1.83 CD 155-A=1.20

HJQD-A CO CALARCA 122.28 0.00 0.00 0.27 4.776 89598.09 274.23 89323.87
50% = 8.786, 25% = 10.323; HJZI-A=8.79 HJLT-A=3.90 HJGY-A=2.70 HCRA7-A=2.62

LT23-A AR S GENARO NOR 131.60 0.00 0.00 0.11 2.048 89708.47 185.17 89523.30
 50% = 3.436, 25% = 4.156; LRK359-A=2.47 CC 155-A=1.69 CV155-A=1.68 CW155-A=1.36 LT19-A=1.11
 LRJ381-A=1.10 LT32-A=1.08

UNK-A BR TRES PASSOS 123.49 0.00 0.00 0.11 2.107 92188.44 262.42 91926.02
 50% = 3.4, 25% = 4.48; ZYJ-315-A=1.88 ZYK590-A=1.79 ZYJ-303-A=1.58 LRK359-A=1.54 ZYJ-213-A=1.44
 ZYJ814-A=1.38 ZYK-501-A=1.29 CW155-A=1.21 ZYJ206-A=1.18

ZYJ-479-A BR PETROPOLIS 112.68 0.00 0.00 0.11 2.072 94087.88 364.11 93723.77
 50% = 3.421, 25% = 5.389; ZYK590-A=2.96 UNK-A=1.72 ZYL-289-A=1.70 ZYL222-A=1.58 ZYK-528-A=1.47
 ZYK-572-A=1.45 UNK-A=1.45 UNK-A=1.40 ZYK-659-A=1.36 ZYK-623-A=1.31

UNK-A BR SAO VALENTIM 122.51 0.00 0.00 0.11 2.365 104798.66 271.96 104526.70
 50% = 3.226, 25% = 4.756; ZYK590-A=2.08 ZYJ-315-A=1.88 ZYJ-213-A=1.59 ZYJ-303-A=1.56 ZYJ814-A=1.42
 ZYK-501-A=1.40 ZYJ206-A=1.25 LRK359-A=1.22 ZYK-623-A=1.18 CW155-A=1.15

LT32-A AR CHIVILCOY 132.23 0.00 0.00 0.11 2.363 107801.37 179.46 107621.91
 50% = 3.227, 25% = 3.858; CV155-A=1.78 LRK359-A=1.66 CC 155-A=1.52 CW155-A=1.48 LT40-A=1.19
 LT23-A=1.08 LRJ381-A=0.97 LT19-A=0.97

UNK-A BR GUANHAES 110.05 0.00 0.00 0.11 2.538 110661.36 385.88 110275.48
 50% = 3.091, 25% = 4.542; ZYK590-A=2.25 ZYL222-A=1.51 ZYJ-479-A=1.50 ZYH-461-A=1.43 ZYL-211-A=1.42
 ZYL-289-A=1.42 ZYK-659-A=1.33 ZYK-528-A=1.33 ZYK-572-A=1.21

ZYJ814-A BR TURVO 121.43 0.00 0.00 0.11 2.402 110783.69 282.56 110501.14
 50% = 3.198, 25% = 4.83; ZYK590-A=2.31 UNK-A=1.59 ZYJ-213-A=1.53 UNK-A=1.53 ZYJ-315-A=1.47 UNK-A=1.36
 ZYK-501-A=1.35 UNK-A=1.30 UNK-A=1.29 ZYJ-303-A=1.25

LT40-A AR LA PAZ 129.47 0.00 0.00 0.11 2.549 110849.81 204.77 110645.04
 50% = 3.082, 25% = 4.271; LRK359-A=2.58 CV155-A=1.69 CW155-A=1.44 CC 155-A=1.20 LT19-A=1.19
 LT32-A=1.19 UNK-A=1.14 UNK-A=1.06

ZYJ-734-A BR ARARANGUA 121.34 0.00 0.00 0.11 2.409 111251.35 283.45 110967.90
 50% = 3.193, 25% = 4.805; ZYK590-A=2.33 UNK-A=1.57 ZYJ-213-A=1.53 UNK-A=1.51 ZYJ-315-A=1.46
 ZYK-501-A=1.35 UNK-A=1.34 UNK-A=1.30 UNK-A=1.28 ZYJ-303-A=1.24

UNK-A BR SAO FIDELIS 111.10 0.00 0.00 0.11 2.477 112816.31 377.43 112438.87
 50% = 3.141, 25% = 4.526; ZYK590-A=2.55 ZYJ-479-A=1.84 ZYL-289-A=1.50 ZYL222-A=1.44 ZYK-528-A=1.31
 ZYK-572-A=1.27 ZYK-659-A=1.23 ZYL-211-A=1.19

LT19-A AR SANTO TOME 125.62 0.00 0.00 0.11 2.618 114059.88 241.56 113818.32
 50% = 3.025, 25% = 4.867; LRK359-A=2.02 UNK-A=1.63 ZYJ-315-A=1.55 UNK-A=1.49 UNK-A=1.47 CW155-A=1.37
 CV155-A=1.35 ZYJ-303-A=1.34 ZYK590-A=1.25 UNK-A=1.24 ZYJ-734-A=1.24

HJGY-A	CO	LORICA 1	119.31	0.00	0.00	0.30	7.040	115509.36	303.18	115206.18
50% = 7.102, 25% = 7.981; HJZI-A=6.12 HJCB-A=3.60 HJQD-A=2.70 HJLT-A=2.45										
CC 155-A	CI	S FERNANDO	139.62	0.00	0.00	0.12	2.756	115889.53	119.23	115770.30
50% = 2.899, 25% = 3.185; CB 155-A=1.83 LRK359-A=1.68 CD 155-A=1.49 LRJ381-A=1.03 LT23-A=0.83										
CD 155-A	CI	TRAIGUEN	142.66	0.00	0.00	0.11	2.722	118948.28	98.41	118849.87
50% = 2.931, 25% = 3.367; CC 155-A=2.93 CB 155-A=1.24 LRJ381-A=1.10										
UNK-A	BR	ITARANA	109.29	0.00	0.00	0.11	2.687	120940.65	391.89	120548.76
50% = 2.963, 25% = 4.172; ZYK590-A=2.13 ZYJ-479-A=1.55 ZYH-461-A=1.35 ZYL222-A=1.33 ZYL-289-A=1.32										
ZYK-528-A=1.17 ZYL-211-A=1.16 ZYK-659-A=1.12 ZYK-572-A=1.07										
HJLT-A	CO	CALI 9	123.80	0.00	0.00	0.26	6.449	122334.69	259.36	122075.33
50% = 7.643, 25% = 9.723; HJZI-A=7.64 HJQD-A=3.81 HCRA7-A=2.95 HCEI6-A=2.64 HJGY-A=2.44										
HJCB-A	CO	BARRANQUILLA	117.06	0.00	0.00	0.31	7.664	122688.26	324.61	122363.66
50% = 6.424, 25% = 7.076; HJZI-A=5.33 HJGY-A=3.59 HJQD-A=2.26 HJLT-A=1.93										
LRI389-A	AR	GRAL VILLEGA	134.35	0.00	0.00	0.11	2.753	123080.87	160.98	122919.89
50% = 2.902, 25% = 4.117; CC 155-A=2.22 LRK359-A=1.87 CV155-A=1.41 LRJ381-A=1.17 CW155-A=1.16										
LT40-A=1.16 LT23-A=1.13 CB 155-A=1.09										
UNK-A	BR	SOLEDAD	123.34	0.00	0.00	0.11	2.749	123668.91	263.83	123405.09
50% = 2.906, 25% = 4.574; ZYK590-A=1.88 ZYJ-315-A=1.68 ZYJ-213-A=1.45 ZYJ814-A=1.40 ZYJ-303-A=1.38										
CW155-A=1.31 ZYK-501-A=1.27 LRK359-A=1.18 CV155-A=1.15 LT19-A=1.13 ZYJ206-A=1.12										
CP 50-A	BL	SIGLO 20	127.68	0.00	0.00	0.15	3.781	129361.44	221.70	129139.74
50% = 7.561, 25% = 7.88; CP 115-A=7.56 LRK359-A=2.22										
WBYM	US PR	BAYAMON	103.36	0.00	0.00	0.93	2.495	134456.37	431.97	134024.40
50% = 7.555, 25% = 10.11; UNK-A=6.21 UNK-A=4.30 HIPZ-A=3.50 HJGP-A=3.39 HJPZ-A=2.97 WFME=2.51										
TIFQ-A=2.49										
HITS-C	DR	TAMAYO	107.78	0.00	0.00	0.36	9.657	134718.02	403.20	134314.82
50% = 2.598, 25% = 2.873; HJCB-A=1.72 WKFE=1.44 HJZI-A=1.31 HJGY-A=1.23										
HCAD2-A	EC	EL TRIUNFO	129.99	0.00	0.00	0.24	6.458	135568.37	199.89	135368.48
50% = 7.635, 25% = 8.248; HCAD5-A=4.07 HCEI6-A=4.05 HJZI-A=3.66 HCRA7-A=3.46 HJLT-A=2.28 HCDF1-A=2.13										
UNK-A	BR	VARGEM GRAND	100.90	0.00	0.00	0.14	3.972	140375.03	444.88	139930.15
50% = 0.476, 25% = 0.582; ZYH-461-A=0.48 CP 115-A=0.21 ZYL-211-A=0.20 ZYK590-A=0.16										
CV155-A	UY	MERCEDES	129.85	0.00	0.00	0.11	3.097	140522.64	201.25	140321.40

50% = 2.532, 25% = 3.814; CW155-A=1.83 LRK359-A=1.75 LT19-A=1.17 LT23-A=1.11 LT40-A=1.10 CC 155-A=1.09
UNK-A=1.06 UNK-A=1.03 LT32-A=0.99

CW155-A UY SARANDI DEL 128.32 0.00 0.00 0.11 3.044 140803.29 215.57 140587.72
50% = 2.595, 25% = 4.113; CV155-A=1.87 LRK359-A=1.33 UNK-A=1.21 LT40-A=1.19 LT32-A=1.18 LT19-A=1.18
LT23-A=1.17 UNK-A=1.13 ZYJ-734-A=1.08 UNK-A=1.08 ZYJ-315-A=1.01

ZYH-461-A BR VIT CONQUIST 105.92 0.00 0.00 0.12 3.320 141039.56 416.11 140623.46
50% = 2.231, 25% = 3.272; UNK-A=1.31 UNK-A=1.30 UNK-A=1.25 ZYK590-A=1.11 UNK-A=1.01 ZYL-211-A=1.00
ZYL222-A=0.93 ZYJ-479-A=0.92 UNK-A=0.88

HCEI6-A EC MONTALVO 128.69 0.00 0.00 0.24 7.193 149070.78 212.14 148858.63
50% = 6.947, 25% = 8.644; HJZI-A=4.47 HCRA7-A=4.03 HCAD5-A=3.47 HCAD2-A=2.86 HJLT-A=2.60 HCDF1-A=2.55
HJQD-A=2.24

HCDF1-A EC QUITO 127.92 0.00 0.00 0.25 7.505 151866.76 219.43 151647.33
50% = 6.609, 25% = 8.617; HJZI-A=5.06 HCEI6-A=4.25 HCAD5-A=3.13 HJLT-A=2.86 HJQD-A=2.51 HCAD2-A=2.51

UNK-A BR CRATO 99.88 0.00 0.00 0.13 3.880 152130.52 449.56 151680.96
50% = 0.973, 25% = 1.017; ZYH-461-A=0.97 ZYL-211-A=0.30

WNWR US PA PHILADELPHIA 86.64 0.00 0.00 1.05 3.196 152455.59 471.32 151984.28
50% = 11.518, 25% = 12.785; KXEL=11.52 ZNS-1-A=4.29 WCKY=3.52

HCRA7-A EC AMAZONAS 127.33 0.00 0.00 0.24 7.457 152984.05 225.08 152758.97
50% = 6.662, 25% = 8.657; HJZI-A=5.31 HCEI6-A=4.03 HCAD5-A=3.09 HJLT-A=2.91 HJQD-A=2.56 HCAD2-A=2.45

UNK-A BR AREIA BRANCA 96.68 0.00 0.00 0.13 3.955 154472.12 461.42 154010.70
50% = 0.599, 25% = 0.619; ZYH-461-A=0.60 ZYK590-A=0.16

HJZI-A CO BOGOTA 12 120.71 0.00 0.00 0.26 8.203 157159.30 289.56 156869.74
50% = 5.719, 25% = 6.91; HJQD-A=3.78 HJLT-A=3.36 HJGY-A=2.68 HCRA7-A=2.37 HJCB-A=2.33 HCEI6-A=2.00

UNK-A BR AREIA 96.92 0.00 0.00 0.12 3.931 159996.77 460.68 159536.09
50% = 0.742, 25% = 0.742; ZYH-461-A=0.74

HCAD5-A EC S ISABEL 130.54 0.00 0.00 0.23 7.685 166300.03 194.81 166105.22
50% = 6.398, 25% = 6.967; HCEI6-A=3.54 HCRA7-A=3.15 HJZI-A=3.14 HCAD2-A=2.93 HJLT-A=1.98 HCDF1-A=1.92

CP 115-A BL CARANAVI 126.98 0.00 0.00 0.15 5.590 181448.53 228.43 181220.10
50% = 3.316, 25% = 3.73; CP 50-A=3.32 LRK359-A=1.42 K-A=0.95

OBX4P-A PE INDEPENDENCI 133.09 0.00 0.00 0.18 9.442 256244.71 171.84 256072.87
50% = 3.294, 25% = 3.711; CP 115-A=2.91 HCAD5-A=1.54 HCEI6-A=1.10 HCRA7-A=0.94 HCAD2-A=0.91

K-A BR CACOAL 1 119.54 0.00 0.00 0.15 8.917 287904.47 300.93 287603.54
 50% = 4.526, 25% = 5.058; CP 115-A=4.53 CP 50-A=1.64 UNK-A=1.55

UNK-A BR COMODORO 119.52 0.00 0.00 0.15 9.052 308908.48 301.10 308607.38
 50% = 4.249, 25% = 4.855; CP 115-A=4.25 CP 50-A=1.77 K-A=1.55

UNK-A BR MARACANA 101.81 0.00 0.00 0.15 9.993 323987.42 440.36 323547.06
 50% = 0.374, 25% = 0.434; CP 115-A=0.24 ZYH-461-A=0.21 HJZI-A=0.19 K-A=0.13 ZYL-211-A=0.13
 ZYK590-A=0.12

UNK-A BR CAIAPONIA 115.41 0.00 0.00 0.13 9.588 374017.03 339.87 373677.17
 50% = 2.842, 25% = 4.024; ZYK590-A=1.51 ZYK-715-A=1.47 ZYL-211-A=1.39 ZYK-659-A=1.31 ZYK-623-A=1.19
 ZYK-528-A=1.15 ZYL222-A=1.10 ZYJ206-A=1.07 ZYK-572-A=1.02 CP 115-A=1.01 ZYJ-303-A=0.99

ZYL-211-A BR MONTE CARMEL 113.32 0.00 0.00 0.12 9.394 391727.18 358.62 391368.57
 50% = 3.429, 25% = 5.182; ZYK590-A=2.41 ZYK-659-A=1.78 ZYL222-A=1.68 ZYK-528-A=1.62 ZYK-715-A=1.53
 ZYK-623-A=1.49 ZYL-289-A=1.48 ZYK-572-A=1.42 UNK-A=1.39 UNK-A=1.33