Results, 1987 ARRL 10-Meter Contest

Wow! New rules, sunspots and Novices/Technicians on SSB make 10-meter contesting fun again!

By Billy Lunt, KR1R
Contest Manager, ARRL

and Mark Gamble, N1FOZ
Contest Assistant, ARRL

It is apparent that the 10-meter band is on its way back. While tuning across 10 meters during the contest, you were sure to notice a remarkable difference from last year. The band had sprung to life with great openings reported from all parts of the world. The best thing about it is that this is only the beginning of the sunspot cycle. Conditions are only going to improve!

Overall participation in the contest was up considerably. The Contest Branch received a total of 1164 logs for the 1987 10-Meter Contest. This represents an increase of 445 entries over the 1986 contest. Many Novices and Technicians joined in the contest for the first time on SSB for 1987. This great influx in SSB activity from the newcomers shifted the main area of activity to below 28.500 for the first time during any ARRL 10-Meter Contest. Also, there seemed to be more contesters looking for Novice/Technician QSOs on CW than before. In the 1987 contest, entrants were allowed to count multipliers separately on phone and CW for the first time. With this new rule, the overall scores were considerably higher in the 1987 contest. For instance L4D had the highest reported score in 1986 of 214k, and the highest reported score for 1987 was NR5M with 1.2 megs. What a difference in scores!

Eddy, KA9OXI, and Harry, N9CQX, operated multiop station VP2MU for a score of over 212k. They placed 4th in the DX Multiop category.

During this year's contest, the southeast corridor of North America enjoyed some of the most outstanding propagation reported. Many US stations indicated that all they could hear were Florida stations, via back scatter, working the midwest at frantic QSO rates. But Florida was not singled out as having the only propagation; most areas claimed good conditions. The boxes will confirm that good scores were turned in from all points of the compass.

WC4E, leaving all others in the dust this year, operated from the Florida powerhouse station of K4XS. Jeff's mixed mode effort secured over 1-meg points. The top ten showed some new blood in its ranks this year. Mark, AA2Z, and Dave, NU9R (Dave operated at K4VX/Ø), battled it out for second and third place, respectively. Bob, N4BP, after finishing in tenth place on CW in the 1986 contest, tried his hand at mixed mode for this year's contest. His decision paid off with 2000 QSOs and a seventh-place finish. On the DX mixed mode front, HK3MAE finished with a first-place victory as well as coming away with the South America continental leader title. V31MZ (Bob, K1MZB,op) finished second, missing the top spot by only 40k points.

After losing his title to W3LPL in 1986, Chuck, KE5FI, rallied this year with over 2000 QSOs to regain his first place 10-meter phone finish. John, K3KG, just missed first place by 15k for the second-place spot. Reg, VE1BNN, finished with a strong third-place effort to gain six places from last year's standings. Reaching the pinnacle of DX phone operations this year is last year's second-place DX-phone operator, LU3AJW, operating from LU1E. Roberto topped HC2CG's second-place finish by well over 200k points. Roberto also earned the distinction of South American continental leader. Fourth-place finisher and North American continental leader was Dan, TI2OB, who put in a fine effort, amassing 211k points.

In last year's contest, KG5U placed fourth in the multiop category. This year Dale decided to go it alone in the single-op CW category squeaking out a victory over N2AA by 5k points for first place. Rex, K7QQ, moved up five places this year from last year, for a solid third-place CW finish. In the DX category, in almost a repeat of last year's finale, OA4ZV and VK4XA finished first and second place, respectively. Both participants not only placed in the same order as last year, but they also regained their continental leader status.

The Texas multiop team of NR5M surpassed all others in QSOs and multipliers winning their category with over 1.2 meg points. The crew at WØAIH/9 resecured their second-place spot again this year with 912k points. The Wisconsin threesome are planning to be back next year with more sky aluminum

Oops! What's left of Bruce's, AA5B, antennas after 110 mi/h winds blew the top off!

Top Ten—W/VE

Mixed Mode

Call	Score
K4XS (WC4E,op)	1,171,296
AA2Z	930,650
K4VX/Ø (NU9R,op)	900,550
N4ZC (WA8MAZ,op)	828,008
N8II	664,620
K3ZO	649,356
N4BP	598,818
WØYK	582,860
WZ4F	580,742
K5NW	561,418

Phone

Call	Score
KE5FI	460,650
K3KG	445,784
VE1BNN	405,720
K3EST	333,776
N8RA	306,912
N2BJ	295,260
K8III	291,072
K6LL	282,240
NK1F	278,304
N1ATO	277,200
AI6V	261,450

CW

Call	Score
KG5U	282,820
N2AA	277,560
K7QQ	264,114
K5WA	260,832
K1XA	243,936
K4MF	234,992
W5HUQ	220,200
N4VZ	211,152
K8NZ	202,704
WD4AHZ	199,208

Multioperator

Call	Score
NR5M	1,264,290
WØAIH/9	912,632
N4EJW	805,494
K7IDX	786,352
W5VX	769,798
W3USS	685,720
N2EOC	560,976
AA8U	548,272
W4WWW	542,360
KRØB	528,000

Top Five—DX

Mixed Mode

Call	Score
HK3MAE	198,246
V31MZ (K1MZB,op)	156,952
ZF2KZ	151,272
XE1XIV	107,562
CE3BFZ	101,606

Phone

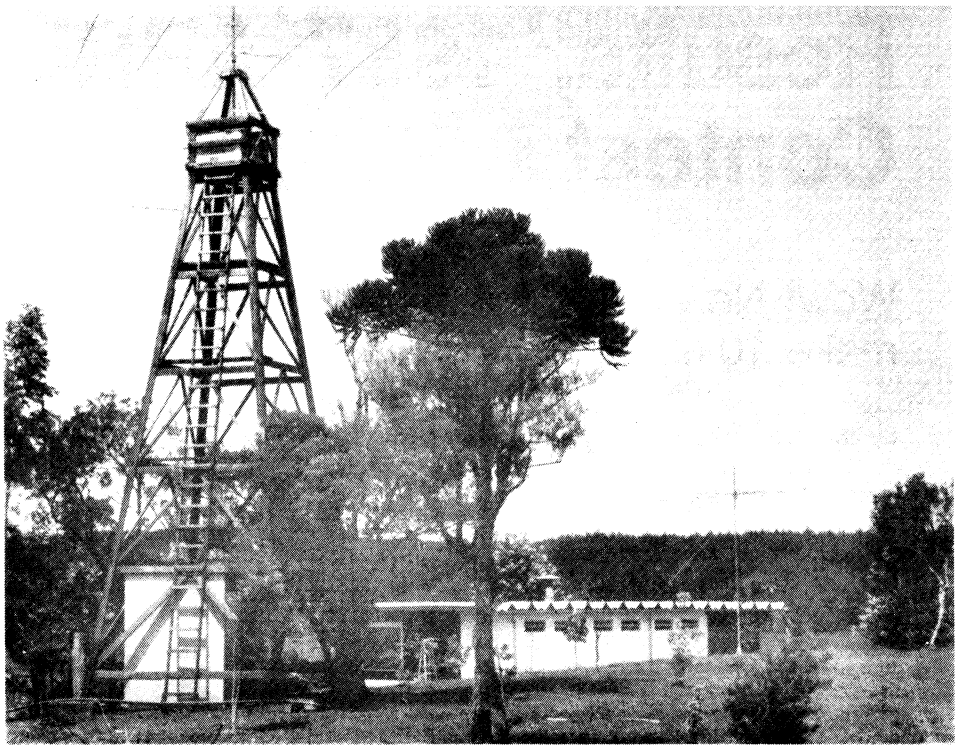
Call	Score
LU1E (LU3AJW,op)	529,708
HC2CG	306,348
YW1A (YV1AVO,op)	282,656
CX2AAL	252,284
TI2OB	211,854

CW

Call	Score
OA4ZV	152,100
VK4XA	112,344
P43GR	89,676
LU1EWL	41,440
VK4TT	32,736

Multioperator

Call	Score
ZV9ZZ	396,720
LU1VZ	386,588
KH2F	239,700
VP2MU	212,256
ZF2AG/ZF8	155,260



The antennas for the winning DX multiop team of ZV9ZZ.

and a winning strategy. N4EJW put in an excellent multiop effort of 805k points. This twosome from Florida made a dazzling return and finished third, five positions higher than last year's effort. The winner of the DX multiop category was the ZV9ZZ gang. They grappled with LU1VZ for both the win and South American continental leadership.

The advent of a new solar cycle is sure to make next year's contest even bigger and better with more openings to all corners of the world. Get prepared for the next ARRL 10-Meter Contest, which will be held December 10-11, 1988. See you then!

SOAPBOX

Very poor propagation for EA9 land (EA9NN). Conditions very poor Sunday morning, but managed to work all 50 states except Washington and Idaho (5L2T). I am 22 years old and have the most active contest station in JA. I hope an award is given to me (JH4UYB). Where there is a will, there is a way. Thank you (JF2KUU). I swear I tried to contact some US stations but the propagation was poor (9V1XE). Tough going in this part of Europe—always more stations to be heard on CW than on SSB (GW4BLE). Band conditions were very poor but nevertheless I still enjoyed the contest (PA3CAL). No condx to Europe on the first day, so I hoped for better condx on Sunday. So what happened Sunday—even worse condx HI HI!! (OX3KD). I heard quite good signals from the USA on the 12th, but they mainly were working each other (they weren't listening to the weaker signals) (VK5BWF). Band conditions were very poor throughout the weekend—but I had fun! (YB3ASQ). Where are the JAs? (KA1MIS). On Saturday the band was a wonderful bottomless barrel of 9s and Øs (N8RA). It was an interesting, lively contest with the sunspots participating only very reluctantly (W1PL). Due to the new phone privileges there seemed to be a lack of Ns and Ts on CW (KB1U). Great to hear PAØGAM/ST2 for a new one and to hear P43GR (W2GD). High point of contest was working KJØH while running 43 microwatts for 19,965,425 miles/watt (AA2U). A great contest! But being a Murphy his law got me this year! C U in 88 test (NF2C). Amazing what 100 watts and a butterfly beam at 35 feet can do on 10 meters. It was also nice to hear Novice and Technicians get excited about contesting (N2ETJ). Conditions were fair the 12th but much worse on the 13th. Still it was a fun contest! By the way what was AZ8DQ using? What a sig! (N3IK). Twenty watts and a quarter wave vertical didn't do too badly for me. Nicest QSO—the OX3 for a new one on the band from my 3-land retirement QTH (NF3X). What a difference a year and some sunspots make (WA3VPL). Sunday was dead, dead, dead. Had to practically beg for contacts. Picked up just a bit in the last hour and I did hear some meteor pings working WB5DGR. Then at 1900 Sunday my neighbor tells me I'm getting into his stereo. Nice fellow, at least he let me finish the contest (AA4LR). I really had a wonderful time in the contest. I noticed that sometimes the band would be open and sometimes it wouldn't. DX came in great and I was able to work Nigeria; 10 meters is my favorite band (KB4SRR/T). I had fun!!!!! (N4ODI). Where were all the Novice/Tech CW ops? (KK4EV). Seems as though the Novices brought out the sunspots—best conditions here in a long time! (AA4NC). Sure was a dead contest!!! (W4JVN). Fun contest and high SWR. I was probably the weakest signal all weekend (KY5N). Great contest—but I couldn't beg, borrow

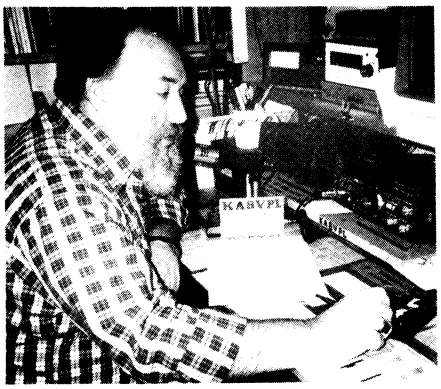
Division Leaders

Division	Mixed Mode	Phone	CW	Multiop
Atlantic	K3ZO	WA3FYJ	W3GN	W3USS
Canada	VE5UF	VE1BNN	VE3KP	VE3UOW
Central	W9XT	KA9TNZ	KB9S	WØAIH/9
Dakota	K1LL	ACØW	KNØV	KRØB
Delta	K4LTA	WE4S	N4TG	N4PQV
Great Lakes	KG7C	K8III	K8NZ	AA8U
Hudson	K3EW	N2BJ	N2AA	N2EOC
Midwest	K4VX/Ø (NU9R,op)	KBØPR	KJØH	KYØB
New England	AA2Z	N8RA	K1XA	KB1KA
Northwestern	K7SS	NK7L	K7QQ	K7IDX
Pacific	N6NF	K3EST	N6ZB	K6YA
Rocky Mountian	WØYK	N2IC	NC5O	AA5B
Roanoke	N4ZC (WA8MAZ,op)	WD4BTF	K4PQL	K5CTG/4
Southeastern	K4XS (WC4E,op)	K3KG	K4MF	N4EJW
Southwestern	WB6HEU	K6LL	W7FGT	W6UE
West Gulf	K5NW	KE5FI	KG5U	NR5M

DX Continental Leaders

Continent	Mixed Mode	Phone	CW	Multiop
Africa	—	5L2T (EL2T,op)	—	—
Asia	JI2KVW	UL7ACI	JE1CKA	JA1YXP
Europe	FF6KBF	EA6VQ	DL1HBT	I8QLS
North America	V31MZ (K1MZB,op)	TI2OB	OX3KD	VP2MU
Oceania	K4YT/DU1	ZL1ANJ	VK4XA	KH2F
South America	HK3MAE	LU1E (LU3AJW,op)	OA4ZV	ZV9ZZ

or steal a Novice or Technician CW QSO (KA5ZCW). This was our first 10-meter contest, hope we did everything right (K5CVD). As usual, some very strange but predictable propagation for this contest. Thanks to the JA opening as well as the many South Americans participating, there were some good mults to be had, but where were the WØs? (WB6HEU). Contest of doom?! Wind storm, lost ac, blew amp!!! (AA6T). We had some outstanding band conditions and I was hoping to cash in on a bunch of N/T contacts on CW but where were the Ns and Ts? They sure would have been popular between 28.100 and 28.200 MHz (WA7HQD). I only had two short openings from Alaska during the contest. At times I was able to hear them, yet they couldn't hear me. I hope for better conditions next year (NL7DU). Really enjoyed the new double multiplier rule for mixed mode. Can't wait till next year (KW8G). Enjoyed the contest tremendously, even though the conditions on Sunday were rotten. I gave four stations there last state! (N5KGY). Poof! Rig blew a fuse—off the air after 1400 GMT on Saturday. Bah!!! (K8KUH). There are quite a few big gun DX stations that make 4 Qs per minute but only give their call once every five minutes. This is very inconsiderate to expect others to wait! Make the call and number the exchange. Everyone gives 599 anyway (N9RD). The band was hot and cold but surprisingly active. It is a great event that keeps getting better every year (W9HE). I've never worked so many countries in this short of time (NØAJM). The Novices and Techs were as rare as DX stations; was it "Hotbeds" or "Cold feet"? Only about eight hours of good band conditions, plus skip, here in Colorado, over the entire weekend (NØFFZ). What happened to all the contacts you're supposed to work on scatter? I only worked one (VE1BNN)—how about the rest of you? (VO1QU). My QSO-per-hour chart tells the sad story of Sunday!! There's always next year (VE5UF).



Seen here working a straight key, Steve, KA8VPL finished fourth place mixed mode from Ohio.

FEEDBACK

Please refer to July 1987 *QST*, page 70, for the following correction to the 1986 10-Meter Contest. In the Iowa section WAØQMV should have been WAØQMU.

Scores

DX scores are listed by continent and country according to the ARRL DXCC list. US and Canadian scores are listed by call area and ARRL section. Each line score lists call sign, score, QSOs, multipliers and entry class (A = Mixed mode; B = Phone only; C = CW only; D = Multioperator). The /T after a call sign indicates a Technician entry and the /N indicates a Novice entry.

DX

Africa

EA8AMT 60,372- 387- 78-B
EA8AMX 40,764- 258- 79-B
EA9NN 10,400- 104- 50-B
5L2T (EL2T,op) 192,024- 889-108-B
9Q5NW (N4NW,op) 34,408- 253- 68-B

Asia

HL1ABR 120- 12- 5-B
JI2KVW 45,264- 344- 46-A
JR3BOT 21,720- 269- 30-A
JE1SLP 15,012- 211- 27-A
JH8FAJ/7 13,986- 175- 27-A
JA8RWU 13,662- 145- 33-A
JH4UYB 11,016- 221- 18-A
JH6WHN 7,588- 147- 18-A
JH7AJD/1 3,048- 77- 12-A
JH6TYD 2,656- 47- 16-A
JA1JGP 2,184- 50- 13-A
JR1ZTT (JF7WED,op) 2,180- 68- 15-A
JI2VJJ 1,560- 56- 10-A
JA3UWB 1,400- 55- 10-A
JR1TLA 684- 46- 6-A
JR2IGV 132- 10- 6-A
JH2KKW 21,910- 313- 35-B
JR1WHW 17,922- 309- 29-B
JH5GHM/1 12,272- 236- 26-B
JRØBQT 2,610- 87- 15-B
JH1UUT 816- 51- 8-B
JA6QDU 688- 43- 8-B
JA1AAT 480- 24- 10-B
JP1SRG 480- 30- 8-B
JF2KUU 132- 11- 6-B
JA7YAB (JJ1NNJ,op) 120- 15- 4-B
JO3DWD 8- 2- 2-B
JE1CKA 15,744- 164- 24-C
JE1AER 8,500- 125- 17-C
JR7OMD/2 8,480- 106- 20-C
JH7XGN 5,040- 84- 15-C
JF3GKE 4,088- 72- 14-C
JE7BIZ 3,480- 88- 10-C
JA1KI 3,072- 64- 12-C
JM1AQU 2,808- 78- 9-C
JA9CWJ 1,280- 64- 5-C
JO1QZI 432- 27- 4-C
JK1REJ 20- 5- 1-C
JA1YXP (JI2DLF,JH9GAU,JHØRRR, JO1JOZ,ops) 48,786- 353- 47-D
JH1YDT (JK1PIV,JH4UTP,JH6UUN, ops) 46,800- 363- 45-D
JA1YCL (JH7XMO,JL1s LNC,QOC, ops) 43,710- 342- 47-D
JA3YKC (JG3s CPF,WDN,JR5ARQ, JG6VTM,ops) 40,656- 355- 42-D
JA6YCU (JE6s UWK,UWU,JF6MND, JG6IZL,JI6s DUE,EDY,ops) 39,600- 325- 45-D
JA2YKA (JF2UTL,JG2s MTC,VTD, JI2s UHH,UNR,JK2CZL,JL2KRD, JE4LIK,ops) 39,216- 340- 43-D
JA7YAA (JJ3CNL,JE7QCQ,JR7DRV, ops) 24,776- 222- 38-D
JA9YBA (JJ3URK,JR8GOU,JA9VDA, JH9VSH,JR9CQO,JA9-10748,ops) 21,648- 248- 33-D
JA3YDS (JG3QBJ,JI3s GAB,OPT, JJ3s FJS,JBM,JR4WEI,JH5KQU, JF6LKT,ops) 16,740- 198- 31-D
JA4YJA (JE4DNQ,JF4BVU,JG6PAF, JM3ILK,ops) 5,112- 106- 18-D
JA2YEF (JI2s SDD,SIC,LPD,JJ2LYF, JL2ABH,ops) 3,230- 87- 17-D
UZ9SWW (UA9s SDR,SJY,SKG,ops) 11,814- 179- 33-D
UD6GF 6,016- 94- 16-C
RG6GBW 4,420- 130- 17-B
UG6GRA 3,172- 61- 13-C
UL7ACI 42,350- 385- 55-B
UL7BY 2,112- 88- 12-C
RL8PYL (+UL7PCZ) 17,160- 220- 39-D
UM8MIG 3,456- 96- 18-B
VU2TJW 7,208- 75- 34-A
W3FYT/4X 20,142- 123- 42-A
4Z4UX 25,630- 233- 55-B
4X6IF 6,308- 83- 19-C
9V1XE (VK3DXI,op) 1,584- 41- 12-A

Europe

CS2BOP (CT1BOP,op) 45,650- 275- 83-B
CT1BBJ 25,134- 213- 59-B
CT6AHU (CT1AHU,op) 2,204- 38- 29-B
CT1AEO 990- 33- 15-B
CR6TM (CT1TM,op) 988- 26- 19-B
CT1BQN 782- 23- 17-B
CT1CIR 154- 11- 7-B
CU2BR 50,224- 344- 73-B
DL2FAG/A 12,240- 101- 45-A
DF8WS 4,234- 50- 29-A
DL9LAI 110- 7- 5-A
DL8PC 14,364- 133- 54-B
DF5BM 600- 20- 15-B
DL3ME 532- 19- 14-B
DJØBX 160- 10- 8-B
DL1HBT 31,396- 167- 47-C
DL2OM 16,320- 120- 34-C
DJ5GG 5,600- 50- 28-C
EA4EP 22,304- 169- 68-A
EA2CR 1,440- 24- 16-A
EA3CCN 36,400- 260- 70-B
EA4EAP 32,448- 205- 78-B
EA5FDK 21,584- 142- 76-B
EA1CON 20,000- 125- 80-B
EA4CFN 13,110- 115- 57-B
EA5TD 12,544- 112- 56-B
EA3DZZ 7,360- 80- 46-B
EA5DIT 6,716- 73- 46-B
EA3ELZ 1,452- 33- 22-B
EA3EJI 1,276- 29- 22-B
EA7DZL 864- 27- 16-B
EA3FWE 648- 27- 12-B
EA5YU 11,840- 80- 37-C
EA3EGV 10,336- 76- 34-C
EA7XC 4,320- 54- 20-C
EA3MM (EA3CAC,EA3FJM,ops) 22,002- 154- 57-D
EA6GP 1,638- 29- 21-A
EA6VQ 135,250- 541-125-B
EA6WV 5,952- 62- 48-B
FF6KBF 65,554- 342- 73-A
F6BBO 23,328- 180- 59-A
FB1MNC 2,336- 57- 16-A
FB1MLJ 924- 29- 14-A
F1HWB 2,150- 43- 25-B
F6AOJ 1,176- 42- 14-B
F6EQV 880- 22- 10-C
G3VZT 14,732- 128- 58-B
G3ESF 4,640- 40- 29-C
GM4ELV 2,346- 36- 23-A
GW4BLE 38,544- 292- 66-B
GW8GT (GW3s KYA,NWS,GW4s JBQ, TTU,GW5NF,ops) 45,144- 233- 76-D
HA8XX 2,800- 56- 25-B
I8BYG 25,010- 205- 61-B
IK2DZM 16,748- 158- 53-B
IV3YYK 9,592- 109- 44-B
I4UFH 4,368- 91- 24-B
I2LVN 320- 16- 10-B
I8QLS (+I8s CZW,MPO,UZA,IK8s DOI,DUB) 79,152- 296-102-D
I3KVW (+I3s JSS,MAU,QJZ) 62,400- 274- 80-D
LA1VL 468- 13- 9-C
LZ1OT 1,044- 29- 18-B
LZ2ES 836- 22- 19-B
LZ2KTS (LZ2s DF,II,GR,ops) 30,576- 170- 78-D
OF1AF 31,960- 169- 68-A
OF3GD 180- 10- 5-A
OH1NSJ 3,680- 46- 20-C
OH6RC 120- 6- 5-C
OK1ADS 31,824- 175- 51-A
OK1TW 3,872- 49- 22-A
OK1KZ 420- 15- 10-A
OK3CFA 9,600- 100- 48-B
OK1DFP/P 5,832- 54- 27-C
ON6AB 7,622- 103- 37-B
ON8WN 374- 17- 11-B
OZ1DPW 1,088- 25- 17-A
OZ5EV 4,410- 63- 35-B
OZ1HUE 2,240- 40- 28-B
OZ/FE1JDG 4,136- 47- 22-C
OZ5UR 196- 7- 7-C
OZ8E 120- 6- 5-C
OZ3PE 4- 1- 1-C
PA3EOB 2,592- 36- 24-A
PA3AFF 324- 20- 6-A
PAØDUO 10,750- 125- 43-B
PAØZH 5,220- 87- 30-B
PAØCOR 1,848- 44- 21-B
PA3CAL 56- 7- 2-C
PA2AWU (+PA3s AZT,DVD,ESO, PBØAED) 47,716- 215- 79-D
PI4DEC (G4YSD,PA3s AWA,CJF, CQR,CZW,EKR,ENO,PAØs AAS,BOE,TUK,ops) 25,192- 198- 47-D
PA3EPN (+PA3EBT) 17,664- 149- 46-D
SM6CVT 3,220- 42- 23-A
SM6LIF 1,536- 32- 24-B
SM3EP 330- 15- 11-B
SM6LWH 2,800- 35- 20-C
SMØTW 1,064- 19- 14-C
SP6PZV (SP6ANY,op) 624- 15- 12-A
SP6OJJ 1,344- 32- 21-B
UA6ADC 14,536- 158- 46-B
UA3ABT 16- 2- 2-C
UB3IWA 13,760- 126- 40-A
UB4ZWW 912- 19- 12-C
UP3BH 4,260- 71- 30-B
UQ1GWW 19,780- 162- 46-A
Y22EK 6,006- 73- 33-A
Y36SG 210- 11- 7-A
Y43XE 60- 6- 5-B
YO7LCD 4,026- 61- 33-B
YO3DCO 416- 16- 13-B
YU3HR 50,460- 301- 58-A
YU7SF 2,622- 48- 19-A
YU7KM 224- 8- 7-C
YU2W (+ops) 54,656- 304- 64-D
YU3HR (+YU3BQ) 50,460- 301- 58-D

North America

N4RP/C6A 52,272- 216- 66-A
HI8LC 42,080- 188- 80-A
HI8DNH 10,290- 143- 35-A
HP1AC 9,280- 76- 29-C
NP4AV 34,656- 304- 57-B
OX3KD 22,176- 167- 33-C
TI2OB 211,854- 1139- 93-B
V31MZ (K1MZB,op) 156,952- 569- 92-A
V47NXX 35,772- 271- 66-B
VP2MU (N9CQX,KA9OXI,ops) 212,256- 1024- 99-D
XE1XIV 107,562- 546- 91-A
ZF2KZ 151,272- 698- 99-A
ZF2AG/ZF8 (+ZF8SB) 155,260- 1109- 70-D
ZF2AY (K9LA,KB5EAM,ops) 64,988- 354- 77-D
8P6BBS (8P6SG,8P6SH,ops) 68,966- 479- 72-D

Oceania

K4YT/DU1 9,324- 322- 14-A
KHØAJ (+AHØA,KG6L) 24,948- 460- 27-D
KH2CY/T 5,488- 196- 14-B
KH2F (+KG6DX,NY6M) 239,700- 1037- 85-D
VK2KL 87,318- 539- 81-B
VK5BWF 68- 17- 2-B
VK4XA 112,344- 452- 62-C
VK4TT 32,736- 496- 33-C
VK2BQQ 9,296- 84- 28-C
YB3ASQ 9,176- 131- 31-A
YB2CR 1,120- 40- 14-B
YC2OK 360- 20- 9-B
YBØATB/3 1,776- 37- 12-C
ZL1ANJ 182,344- 991- 92-B
ZL1BWM 178,020- 1035- 86-B

South America

CE3BFZ 101,606- 299-101-A
CE4ETZ 57,448- 334- 86-B
CX2AAL 252,284- 1069-118-B
HC2CG 306,348- 1563- 98-B
HK3MAE 198,246- 606-141-A
HK7IMB 5,888- 46- 32-C
LU1E (LU3AJW,op) 529,708- 1754-151-B
LU6FN 84,212- 533- 79-B
LU2FYU 76,196- 443- 86-B
LU1EWL 41,440- 185- 56-C
AY2FFV (LU2FFV,op) 18,252- 117- 39-C
LU1VZ (LU1s VJR,VK,VPI,LU2VN, LU9s VAB,VV,ops) 386,588- 1500-127-D
OA4ZV 152,100- 503- 75-C
P43GR 89,676- 423- 53-C
PP2ZDD 77,952- 464- 84-B
ZV9ZZ (PT9ZZ,PY5CC,ops) 396,720- 1305-152-D
YW1A (YV1AVO,op) 282,656- 1606- 88-B
4M3B (YV3BKC,op) 60,298- 413- 73-B
YV1CLM 5,698- 77- 37-B
YY1C (YV1CP,op) 252- 18- 7-B

W/VE

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Connecticut

AA2Z 930,650- 2164-175-A
N1CC 119,600- 456-104-A
K1YRP 90,210- 311- 93-A
W1TS 9,042- 94- 33-A
KH6CP/1 4,590- 57- 27-A
WA3VIL 2,600- 48- 25-A
K1KI 484- 15- 11-A
N8RA 306,912- 1668- 92-B
W1WEF 88,164- 711- 62-B
N1ENV/T 56,576- 416- 68-B
KC8PE 52,736- 412- 64-B
N1EOS/T 18,792- 174- 54-B
K1NYK 12,420- 207- 30-B
W1QK 11,154- 143- 39-B
N1ABY 9,928- 146- 34-B
KA1OCZ 7,910- 113- 35-B
KA1MIS/T 5,120- 80- 32-B
K1XA 243,936- 723- 84-C
N4XR 113,400- 348- 81-C
W1BIH 90,032- 328- 68-C
W1VH 22,936- 121- 47-C
KB1SL 9,176- 72- 31-C
N1IL 6,372- 59- 27-C

Eastern Massachusetts

W1PL 143,592- 407- 93-A
KA2DJH/N 38,896- 197- 68-A
W1FJ 4,268- 80- 22-A
W1TUM 2,862- 46- 27-A
WA1PLK 1,672- 37- 22-A

KA1AMR 35,282- 299- 59-B
WA1GPO 18,772- 247- 38-B
KA1PGI/T 4,920- 82- 30-B
W1UAK/T 2,730- 105- 13-B
K1AGM 900- 30- 15-B
W1LUG 756- 27- 14-B
WB1CNM 154,736- 502- 76-C
KA1DWX 97,128- 342- 71-C
W1AX 84,732- 300- 69-C
K1XM 37,180- 169- 55-C
ND1Z 35,200- 199- 44-C
KB1VL 18,848- 122- 38-C
KA1CLV 16,264- 107- 38-C
AI3E 9,504- 69- 33-C
KB1KA (+K1ZZJ,KA1s QQD,PES, PWG,KW1R,N1DZJ,KD2SX) 332,388- 1069-126-D
KQIV (+KA1PCM) 237,636- 753-126-D
KX1G (+AB1X,KG1V) 229,908- 618-119-D
N1DAM (+KA1RCV) 28,854- 168- 63-D
KA1PHA/T (+N1DVH) 12,728- 172- 37-D

Maine

KA1ZX 47,520- 228- 80-A
N1ATO 277,200- 1320-105-B
W1MGP 11,600- 116- 50-B
W1XN 26,640- 141- 45-C
KB1U (+K1SA,N1AFC,W1OO) 162,800- 726-100-D

New Hampshire

KV1A 384,340- 1310-110-A
WA3ECT/1 25,620- 158- 61-A
KT1H 20,600- 206- 50-A
W1UN 9,048- 52- 28-A
NK1F 278,304- 1338-104-B
AF1T 106,470- 819- 65-B
KA1AUA 5,920- 74- 40-B
KA1QDL/T 2,400- 50- 24-B
KE1E 1,862- 49- 19-B
KA1OXE/T 1,296- 36- 18-B
AC1J 1,258- 37- 17-B
K1TR 54,272- 254- 53-C
W1FZ 36,288- 165- 54-C
KA1X (+AK1L) 268,702- 918-119-D
N1EHB/T (+N1ELO) 11,088- 151- 36-D

Rhode Island

K1RFQ 28,400- 187- 71-A
K6IM 9,360- 92- 39-A
K2MN 2,990- 41- 23-A
K1IU 170,620- 896- 95-B
K1HMO 111,800- 650- 86-B
KM1X 61,480- 281- 53-C
N1BVY 12,600- 88- 35-C

Vermont

KA1OIO/T 129,168- 785- 78-A
W3SOH 13,536- 104- 36-A
W3LPR 9,020- 87- 41-A
WB1GQR (WB2JSJ,op) 144,552- 951- 76-B
KA1NRR/T 52,080- 434- 60-B
KA1OVA/T 8,814- 113- 39-B
NK1W 5,712- 84- 34-B
N1EOZ/T 24- 4- 3-B
K1IK 96,040- 341- 70-C
KA1KLJ/T (+KA1KLI) 4,020- 67- 30-D

Western Massachusetts

KA1OFC/T 36,888- 308- 58-A
KY1H 194,392- 1034- 94-B
K1SF 136,000- 850- 80-B
KZ1M 312- 13- 6-C

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Eastern New York

K3EW 538,992- 1414-152-A
KC2QF 312,768- 871-144-A
N2BJ 295,260- 1554- 95-B
KB2AUQ 22,304- 272- 41-B
W2OOJ 16,128- 144- 56-B
WB1BTJ/T 11,750- 125- 47-B
KE2DF 3,300- 66- 25-B
WD2AJS/T 2,520- 60- 21-B
KU2Q 178,412- 608- 73-C
N2AZS 85,312- 336- 62-C
NA2M 28,056- 160- 42-C
W2NRD 16,728- 100- 41-C
W2AWF 14,800- 100- 37-C
KY2J (+NET) 352,420- 1120-134-D
WA2JQK (+WA2UKP) 210,058- 666-127-D

NYC-Long Island

WB2DHY 345,280- 1025-130-A
W2KTF 20,678- 109- 49-A
W2GKZ 13,926- 113- 33-A
WA2JUJ/T 11,592- 129- 42-A
N2HRS 3,996- 68- 27-A
WA2YEI 1,764- 31- 14-A
WB2PWR 99,456- 672- 74-B
KS2G 61,740- 441- 70-B
W2KZE 17,820- 162- 55-B
KB2BUY 17,512- 199- 44-B
N2DNY 16,092- 149- 54-B
WB2QEU 13,328- 136- 49-B
WA2SVT 7,458- 113- 33-B
WA2SUH 5,832- 54- 54-B
N2EGO 4,526- 73- 31-B
KA2YMR/T 3,276- 63- 26-B
WB2AMU 42,480- 175- 60-C
KD2TT 41,820- 200- 51-C
NR2L 14,504- 98- 37-C
WB2DLA 10,080- 83- 30-C

Northern New Jersey

WA2UDT 68,608- 458- 64-A
WA2CWX 58,824- 296- 76-A
W2KHT 47,740- 218- 70-A
N2HDY 16,014- 96- 51-A
KT2D 7,130- 94- 31-A
KA2YAT 4,800- 75- 20-A
N2HE 46,800- 450- 52-B
K2OLG 27,412- 178- 77-B
KE2CG 20,410- 157- 65-B
KD2RC 18,576- 216- 43-B
N2HIP 10,660- 130- 41-B
N2GMZ/T 4,524- 78- 29-B
WB2BPY/T 2,640- 55- 24-B
KA2MAT 2,052- 54- 19-B
N2AA 277,560- 761- 90-C
K2TW 170,240- 559- 76-C
W2GD 132,828- 461- 71-C
AA2U 65,520- 263- 60-C
N2EOC (+KØDI,N2CEI) 580,976- 1367-156-D

Southern New Jersey

K2YY 496,400- 1288-146-A
K8XR 450,216- 1098-148-A
KD2I 227,010- 750-115-A
WB2UEY 38,216- 221- 68-A
NF2C 18,824- 108- 52-A
K2ZA 14,536- 104- 46-A
K2FL 11,132- 103- 46-A
WA2JSG 396- 18- 9-A
N2ETJ 61,334- 426- 72-B
WA2IBZ 14,282- 193- 37-B
N2FJQ 2,500- 50- 25-B
KD2AE 2,064- 43- 24-B
N2AWC 12- 3- 2-B
W2NZH 45,760- 204- 55-C
W3ELJ 8,300- 78- 25-C

Western New York

KB2NU 82,170- 417- 83-A
K2VV 68,586- 493- 69-A
KE2CF 62,764- 346- 71-A
K2QR 61,748- 233- 86-A
KM2L 38,940- 194- 66-A
K2OMV 10,350- 89- 45-A
KB2EMU/N 9,170- 123- 35-A
K2XU 1,806- 31- 21-A
WB2NRK 696- 25- 12-A
WA2UUK 176,644- 1118- 79-B
KA2CHX 149,688- 972- 77-B
KB2SE 31,560- 263- 60-B
KK2B 12,692- 167- 38-B
NS2P 8,260- 118- 35-B
KB2CSM/N 5,084- 82- 31-B
KA2AWE 600- 30- 10-B
WA2PXR 360- 15- 12-B
KW2J 78,660- 345- 57-C
K2SM 59,052- 251- 57-C
W2TZ 41,088- 212- 48-C
W2FUI 6,360- 53- 30-C

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Delaware

N3DLM 136,528- 518-106-A
KC3RY 57,792- 503- 56-A
AC3T (KA3B,op) 162,456- 967- 84-B
K3HBP 65,636- 267- 61-C
WA3BZT/T 224- 7- 5-C
KC3AM (+N3CUJ) 8,240- 103- 40-D

Eastern Pennsylvania

NE3I 114,852- 389-102-A
WA3LFY 27,832- 278- 49-A
K3WW 20,448- 184- 48-A
AC3D 10,992- 84- 43-A
AG3G 2,624- 56- 16-A
KM3D 2,436- 30- 21-A
N3CHL 69,228- 641- 54-B
KT3U 22,048- 212- 52-B
WB3KTX/T 12,096- 144- 42-B
N3BCZ 11,562- 123- 47-B
KC3AD 9,360- 120- 39-B
N3FOV/T 6,624- 92- 36-B
WA1MKE 3,552- 74- 24-B
KA3LCF 2,464- 56- 22-B
WA3LGG 408- 17- 12-B
K3IPK 55,660- 253- 55-C
W2UP 52,140- 228- 55-C
WØØAVK (KC3Q,op) 19,968- 128- 39-C
W3EHZ 18,480- 127- 42-C
N3IK 13,800- 75- 46-C
KD3BN 4,664- 51- 22-C
WA3JXW 1,120- 20- 14-C
KA3SDO 836- 16- 11-C
KA3KAP 84- 5- 3-C
W2HWG (+WB2BHC) 448,200- 1291-135-D
KY3K (+N3EUX) 248,820- 726-130-D
N3EXA (+KA3s QND,SGS) 111,100- 469-101-D

Maryland-DC

K3ZO 649,356- 1522-159-A
WB3BRF 66,906- 326- 63-A
K3IMC 65,928- 307- 82-A
K4CGY 34,684- 292- 58-A
N2US 34,100- 175- 62-A
N3ES 15,912- 124- 52-A
W3EE 14,256- 99- 44-A
W3FQE 2,312- 50- 17-A
N3AOE 63,364- 511- 62-B
WB2BZR/T 12,596- 134- 47-B
W3PWO 9,440- 80- 59-B
KA3CXG/T 750- 25- 15-B
KA3QER 198- 11- 9-B
W3GN 87,840- 360- 60-C
K3YDX 47,304- 218- 54-C
W3GG 37,800- 200- 47-C
NG1W 30,060- 166- 45-C
W3FX 25,676- 131- 49-C
KB3HH 17,936- 116- 38-C
WA3VPL 7,656- 66- 29-C
W3DYA 3,384- 47- 18-C
W3USS (AA4U,K3ZJ,ops) 685,720- 2095-140-D
N3EHD (+KA8ZLV,KC3NG,N3EYP, W3GIS,WB3GYE) 94,932- 545- 81-D
WB3JRU (+KC3AJ) 4,648- 58- 28-D

Western Pennsylvania

K5ZD/3 142,560- 522-110-A
N3FAS 30,780- 272- 54-A
WA3GQU 5,040- 67- 36-A
K3LVO 3,450- 47- 23-A
KA3OUL/T 2,793- 58- 21-A
KA3PVD/T 90- 7- 4-A
WA3FYJ 255,060- 1417- 90-B
KM3J 33,792- 264- 64-B
N3DB 20,634- 181- 57-B
W3DKL 12,750- 125- 51-B
KA3ROX 3,300- 66- 25-B
KA3QBX/T 3,024- 54- 28-B
W3KWH 1,428- 51- 14-B
WA3PCX 700- 25- 14-B
KA3BEI 100- 10- 5-B
WØØLIF (K3s LA,LAN,LR,QMR, KA3OAN,KZ3W,W3s HV,LIF,YQ,ops) 265,956- 1020-111-D

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Alabama

WZ4F 580,742- 1841-139-A
NE4L 454,536- 1601-118-A
AA4UF 23,220- 258- 45-B
WB4OEE/T 19,520- 244- 40-B
WA4DBQ/T 2,262- 39- 29-B
N4JF 31,900- 145- 55-C

Georgia

K4SB 416,796- 1071-141-A
AA4LR 88,140- 534- 78-A
KB4SRR/T 30,186- 364- 43-A
AA4MJ 23,650- 179- 55-A
K3KG 445,784- 2164-103-B
N6BFM 258,520- 1405- 92-B
KJ4FW 71,640- 599- 60-B
N4ODI 28,300- 283- 50-B
KB6IWS/4/T 3,712- 58- 32-B
N4VZ 211,152- 636- 83-C
K4BAI 52,864- 236- 56-C
WD4DSS 20,269- 115- 43-C
N4UZ 8,640- 76- 27-C
KB4WGW (+W4MGX) 78,526- 494- 71-D
AA4RD (+KF4UZ,N4KXL,W7TPS) 76,446- 324- 93-D

Kentucky

KF4AV 3,950- 46- 25-A
N4GNL 128,960- 1040- 62-B
KB4ZAX/T 10,064- 136- 37-B
KI4DC 3,654- 87- 21-B
WA4EBN 66,612- 266- 61-C
KD4U 39,130- 226- 43-C
KC4BQS/N 5,964- 61- 21-C
NV4H (+N4DBR,WA4SRF) 173,922- 618-101-D
WD4CRG (+KJ4FZ,N4DIT) 108,484- 733- 74-D
N4IYX (+KB4EIW,N4s JIL,RJH, WA4UIF,WB4YXW) 33,800- 325- 52-D
N4RAX (+KA4MIS,N4s NCN,QQV) 24,656- 267- 46-D

North Carolina

N4ZC (WA8MAZ,op) 828,008- 1896-166-A
KB4ZZY/T 45,552- 297- 73-A
KS4S 25,740- 158- 45-A
WD4OHD 13,920- 107- 40-A
KK4EV 8,064- 75- 32-A
KF4HK 67,230- 405- 83-B
AA4NC 58,700- 587- 50-B
WJ4T 32,640- 255- 64-B
KF4GW 19,328- 151- 64-B
WB4Y 17,160- 156- 55-B
KC4BIO/T 13,050- 145- 45-B
WD4MBE/T 11,336- 109- 52-B
WA4TCC/T 2,184- 52- 21-B
W4HVU 1,886- 41- 23-B
K4PQL 146,528- 482- 76-C
K4JYS 87,368- 310- 67-C
K5CTG/4 (+K4JEX) 502,524- 1630-141-D
WB4TOP (AA4TE,N4s PSJ,RGG, ROO,W4FMN,WA9NEW,WD4s BRU,RDT,ops) 72,240- 286- 84-D
W4NC (KB4s WBS,WPM,KF4ZS,N4s MYM,QDK,ROT,ROX,ops) 51,240- 416- 80-D
TDF,KC4AOA,WA4JOC) 47,302- 295- 67-D

Northern Florida

K4XS (WC4E,op) 1,171,296- 2973-168-A
W4WKQ 244,110- 969-103-A
N4ATM 24,408- 226- 54-B
N4MAD 18,720- 144- 65-B
AB4AH 18,718- 191- 49-B
KK4RV 8,988- 107- 42-B
AB4BZ 6,480- 78- 40-B
W5HUQ 220,200- 734- 75-C
N4MJY (+KB4QKR,KF4PN,KJ4KS) 122,816- 717- 76-D

South Carolina

K4II 173,250- 439-125-A
KØEJ 48,980- 308- 62-A
K4ADI 39,490- 211- 55-A
KA4TUT/T 6,396- 78- 41-B
KJ4X 133,764- 456- 71-C
N4LTA (+KI4KN) 125,038- 497-101-D
KC4AQG/T (+ops) 21,060- 177- 54-D
WD4EOG (+KB4VSW,WA4QOT, WD4LUJ) 16,960- 160- 53-D

Southern Florida

N4BP 598,818- 1941-129-A
K4GKD 93,632- 489- 76-A
W1PRT/4 6,528- 66- 34-A
KI4LP 112,050- 675- 83-B
WD4HHA 41,704- 401- 52-B
N4ONQ/T 17,184- 179- 48-B
WA2MZE 10,914- 107- 51-B
WK4F 9,216- 96- 48-B
W4LEP 5,628- 67- 42-B
K4MF 234,992- 796- 76-C
WD4AHZ 199,208- 655- 74-C
N4EJW (+N4EJV) 805,494- 2063-159-D
W4WWW (+K4AFZ,KD4S,KR4X) 542,360- 1835-130-D
W4HAW (KB4s OFW,UIA,KC4s ADB, ARD,N3CUK,N4QWN,WA4HXZ, WB2OUK,WV4H,ops) 134,784- 735- 84-D
N4RMD (+KI4SU) 64,032- 212- 92-D

Tennessee

K4LTA 222,640- 697-110-A
AB4DP 18,576- 133- 43-A
KB4ZGT/N 4,466- 66- 29-A
WE4S 254,700- 1415- 90-B
N4BSN 139,644- 862- 81-B
AB4CA 99,162- 827- 63-B
KB4HFI/N 28,000- 200- 70-B
N4ZZ 25,920- 405- 32-B
KV4F 24,766- 203- 61-B
KS2X 18,336- 191- 48-B
W4ZWZ 15,840- 180- 44-B
KC4AOT/T 11,844- 141- 42-B
N4GHL 24- 4- 3-B
N4TG 91,760- 367- 62-C
K4XO 7,680- 63- 30-C
N4PQV (+N4JII) 330,012- 1512-103-D
NR4S (+AK4Z,KT4E,KY4L,N4AYN, ops) 259,680- 849-120-D

Virginia

KE9A 74,624- 333- 88-A
N4QIV/T 26,676- 217- 57-A
W4KMS 18,868- 115- 53-A
KB4POO/N 16,320- 104- 51-A
K4FPF 14,212- 115- 38-A
WD4BTF 237,400- 1187-100-B
W4TMN 49,840- 356- 70-B
WU4G 42,458- 299- 71-B
N4MM 15,276- 134- 57-B
WY4D 6,996- 106- 33-B
N4PUV/T 5,346- 162- 33-B
AA4IC 5,040- 84- 30-B
WB2KQG/T 3,848- 74- 26-B
WA4MMP 1,978- 43- 23-B
KB4TZS 1,110- 37- 15-B
N4IBN 82,832- 326- 62-C
KJ4OP 78,588- 324- 59-C
WB4DNL 14,420- 100- 35-C
K4OD 12,816- 89- 36-C
KC4HN (+KF4YH,KJ4UG) 438,968- 1177-148-D
W4PRO (+AA4NG,WB8HDD) 352,450- 1135-133-D
WA4ITY (+KB4OLM,W4XD, WB4PJW) 185,640- 568-119-D
W4JVN (+WB4UUE) 10,920- 130- 42-D

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Arkansas

W5EIJ 36,312- 162- 68-A
WA5VBE 11,610- 103- 45-A
K5NE 173,826- 1073- 81-B
K5FUV 111,398- 783- 73-B
KDØHY 65,268- 518- 63-B
KB5CDN/T 16,688- 149- 56-B
N5HSF (+ops) 5,120- 244- 10-D

Louisiana

W5EW 128,168- 801- 74-A
WB5SKQ 161,336- 936- 86-B
WB5SSD 114,070- 671- 85-B
K5TNP 5,724- 106- 27-B
N5JMO (+AB5G,KA5QPI,KB5EQX) 60,960- 340- 80-D

Mississippi

AD5O 34,902- 277- 63-B
W5NCB 6,800- 100- 34-B

New Mexico

KI3L 238,832- 816-118-A
WS5O 194,634- 872- 99-A
KA5FSB 40,068- 350- 54-A
W5OLN 15,950- 104- 55-A
KE5BL 58,140- 510- 57-B
N5JXU/T 3,672- 68- 27-B
NC5O 140,448- 530- 66-C
KB5UL 74,812- 317- 59-C
AA5B (+AI9X,KD5VV,W5JW) 437,708- 1150-146-D
KB5DXB/T (+KB5DUZ) 2,622- 41- 23-D

North Texas

K5NW 561,418- 1553-151-A
KF5PE 81,654- 249- 93-A
N4GTU 58,400- 308- 80-A
NZ5M 1,900- 30- 19-A
N5UA 235,200- 1470- 80-B
WB5DGR 161,880- 1065- 76-B
NX5H 41,814- 303- 69-B
KG5FE 21,964- 289- 38-B
N5ECM/T 2,352- 56- 21-B
K5BDX 83,200- 324- 64-C
KY5N 69,840- 287- 60-C
KC5NG 38,612- 196- 49-C
W4YOK 28,952- 153- 47-C
K5HT 7,208- 53- 34-C
NT5Z (+KG5EB) 25,452- 235- 42-D

Oklahoma

K5GL 37,744- 337- 56-B
KA5ZCW 15,200- 152- 50-B
N5KWK/T 13,632- 142- 48-B
WM4Z 162,840- 587- 69-C
KM5H 75,864- 327- 58-C

South Texas

AD5Q 434,148- 1197-138-A
KC5CP 146,964- 554-111-A
K5DX 120,060- 364- 87-A
KA5WGL 81,774- 496- 77-A
WD6DIR/N 59,432- 315- 76-A
W5IRP 10,290- 120- 60-A
N5ZR 3,510- 48- 27-A
KB5ELV/N 1,088- 31- 16-A
KE5FI 460,650- 2075-111-B
WB5RUS/T 255,710- 1405- 91-B
K5UCV 252,154- 1519- 83-B
WU5Z 111,040- 694- 80-B
WA5IYX 61,876- 499- 62-B
KE5JA 53,742- 507- 53-B
KC5FP 38,736- 269- 72-B
K5HHS/T 36,120- 301- 60-B
WBØYEA 27,648- 256- 54-B
W5UFA 18,512- 178- 52-B
N5AFV 10,004- 122- 41-B
N5EAR/T 4,060- 140- 29-B
N5KKU/T 3,968- 64- 31-B
KB5ESQ/N 330- 15- 11-B
KG5U 282,820- 895- 79-C
K5WA 260,832- 830- 78-C
WV5K 134,504- 489- 68-C
NR5M (+K5GA,K5GN,KE5IV) 1,264,290- 2639-201-D
W5VX (+K5s JX,TSQ,KA5YJZ, N5KEV,NA5C) 769,798- 2326-151-D
W5ASP (+NET) 212,534- 533-119-D
W5KA/T (KB5EHP,N5s JGX,KOB, WD5CDY,ops) 39,130- 293- 65-D
W5XD (+W2IE) 28,728- 196- 54-D
K5CVD (+KA5WVI,KB5AQO,N5JXS, WA5UZB,WA5WCY,WB5TJV) 25,976- 164- 68-D
KB5BKY/N (+KF5RM,N5KXD) 13,800- 138- 50-D

West Texas

WF5E 239,320- 731-124-A
WØGOW/5 18,512- 178- 52-B

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East Bay

VE2AQS/W6 144,768- 479- 96-A
K6CSL 16,920- 119- 45-A
KB6KYG/T 5,696- 83- 32-A
N6CCL 97,968- 803- 61-B
GØAZT/W6 72,324- 574- 63-B
K6SIK 25,652- 242- 53-B
KS6Q 1,800- 50- 18-B
KS6H 33,864- 165- 51-C
K6ATV 32,448- 168- 48-C
WB6SZZ/N 11,280- 84- 30-C
WR6R 2,880- 34- 20-C
K6ARE 400- 10- 10-C

Los Angeles

WB6HEU 338,436- 1059-119-A
4X6IF/W6 111,884- 458- 79-A
W6BIV 49,704- 239- 76-A
WA6KYO 42,120- 184- 65-A
N6HC 10,758- 107- 33-A
WB6ZYA 8,128- 99- 32-A
N6NQ 6,324- 82- 34-A
KI6VC 3,016- 51- 26-A

K6SVL 230,526- 1423- 81-B
KI6BU 73,078- 599- 61-B
N6KN 30,240- 360- 42-B
W6CN 29,008- 259- 56-B
K6DMN 19,968- 192- 52-B
WB6NFO 15,552- 162- 48-B
K6ICS 170- 17- 5-B
N6GL 26,076- 154- 41-C
K1EQA 3,696- 42- 22-C
W6UE (+AA6RX,N6s DLU,TR, WA6OTU) 357,512- 1306-116-D
KG6AX (+KB6RCI) 36,516- 279- 51-D

Orange

KB6RXF/N 164,480- 509- 80-A
WA6GFR 12,160- 144- 40-A
WQ6S 55,806- 393- 71-B
KB6TVK/N 7,360- 92- 40-B

Pacific

AH6AZ 130,892- 686- 86-A
AH6FL 50,592- 316- 48-A
KH6IJ 15,844- 170- 34-A
KH6JJK/T 12,402- 150- 39-A
NH6GQ (KH6CDO,op) 80,288- 386-104-B
K6GSS/KH6 7,306- 173- 21-B

Santa Barbara

WA6FGV 177,424- 575-104-A
KB6TNE/T 23,002- 168- 51-A
AA4Q/6 1,890- 32- 21-A
KD6ZM 10,584- 126- 42-B
WD6BCN/T 3,658- 59- 31-B
N6QOA/T 2,392- 46- 26-B
NV6L (+NV6I) 25,488- 144- 59-D

Santa Clara Valley

N6NF 286,330- 1227- 95-A
KI6CG 139,536- 948- 72-A
NS6V 90,812- 408- 73-A
WA6AUE 29,526- 156- 57-A
W6RVY 14,916- 138- 33-A
WA6HRK 5,270- 84- 31-A
KI6CK 2,484- 52- 23-A
KB6PXP/T 60,732- 482- 63-B
N6CGE/T 10,412- 137- 38-B
W6LC 2,450- 49- 25-B
KB6GV 2,420- 55- 22-B
K6XO 1,368- 38- 18-B
N6ZB 69,360- 288- 60-C
W6NA 50,544- 240- 52-C
AA6T 13,680- 93- 36-C
KB6FPW 13,056- 92- 34-C
N6VT 9,792- 72- 34-C
W6YVK 5,720- 60- 22-C
N6YE 2,720- 40- 17-C
K6YA (+K6MA,KB6BA,N6IIU,WA6s LIJ,ZBX,WB6W) 155,852- 579- 94-D

San Diego

W6UQF 219,350- 625-107-A
KB6PJU/N 71,280- 594- 60-B
N6QJM/T 6,400- 100- 32-B
W6ZT 38,304- 169- 56-C
K6NA 27,180- 147- 45-C
AA6EE 1,456- 26- 14-C
K6HAI (K6s OBS,PD,KA6UCD, KB6TPQ,KW6V,W6s EHR,JXA,OVO, ZBE,WB6s BDY,LLO,WA@QXO,ops) 80,080- 304- 91-D

San Francisco

KK1A/6 37,620- 222- 66-A
WA8LLY 19,992- 157- 49-A

San Joaquin Valley

WA6YAB 21,204- 175- 38-A
KE6GM 17,010- 150- 54-A
KA6BIM 78,740- 635- 62-B
KB6EEK/N 56,974- 467- 61-B
KB6OHU/T (+N6POF) 97,486- 525- 79-D
N6LK (+N6EE) 67,620- 483- 69-D

Sacramento Valley

N4KS 194,556- 628- 93-A
KB6QJL/N 50,138- 470- 53-A
K3EST 333,776- 1814- 92-B
AI6V 261,450- 1575- 83-B
KB6HWZ/T 18,336- 191- 48-B
WB6AKF 4,620- 77- 30-B
N6JV 41,004- 201- 51-C

7

Alaska

KL7GN 728- 19- 14-A
NL7DU 4,032- 63- 16-C

Arizona

KC7V 19,000- 129- 38-A
K6LL 282,240- 1764- 80-B
KY7F 72,036- 621- 58-B
KA7WPD/T 61,732- 506- 61-B
K@TW 50,570- 389- 65-B
NF7E 14,842- 181- 41-B
KX7J 8,820- 126- 35-B
KD7JR 8,424- 117- 36-B
W7FGT 131,104- 482- 68-C
W7YS 52,920- 239- 54-C
N7CIX 20,176- 194- 26-C
K7OX 12,644- 109- 29-C
K7GM 7,788- 59- 33-C
KY7M 6,000- 60- 25-C

Idaho

KA7NOC 37,164- 201- 57-A
W7QDM 4,144- 73- 28-A
WA@DYU 19,448- 221- 44-B
KN7K 42,064- 239- 44-C
W7GHT 18,088- 133- 34-C
KB7CSB 16,320- 124- 30-C
KK7A 5,376- 64- 21-C

Montana

KS7T 59,040- 329- 60-A
W7LR 17,168- 129- 53-A
NV7Y 4,060- 82- 35-A
KE7XJ 22,246- 267- 49-B
N7HAZ 4,080- 85- 48-B
KA7HTC/T 440- 22- 10-B

Nevada

ND7M 239,112- 1458- 82-B
WA7KNK 142,426- 1003- 71-B
WB@WNH 34,272- 357- 48-B
W7HO 10,496- 72- 32-C

Oregon

AG7M 394,272- 1508-111-A
W7GUR 45,122- 217- 77-A
K7KJM 25,536- 151- 57-A
K7VIT 29,094- 373- 39-B
KA7YSB/N 18,990- 211- 45-B
N7JUR/T 6,300- 90- 35-B
WB7EMO 270- 15- 9-B
N7ENU 87,464- 375- 58-C
AD7T 33,284- 150- 53-C
KU7K 23,360- 146- 40-C
NZ7Q 20,124- 114- 43-C
KA7ARC 19,040- 138- 34-C
KA7FEF 8,760- 73- 30-C
KS7P 3,108- 37- 21-C
W7YAQ 2,116- 31- 17-C
KQ7I (+K7s JF,RO,KD7LA,N7EPE, NB7W,ND7T) 267,168- 746-121-D
NK7U (+NI7T) 259,168- 1357- 91-D
KA7IQC (+KA6LQM,KA6LQY, KB7CDA) 19,136- 196- 46-D
KB7CNL (+K@PB) 18,732- 217- 42-D
W7BU (N7IXI,N7JED,NM7Q,ops) 5,508- 76- 34-D

Utah

WE7B 113,900- 424- 85-A
KE7KF 40,174- 364- 53-A
N7JLC 4,800- 57- 32-A
KE7QA 3,900- 74- 25-A
K7CU 418- 16- 11-A
WA7HQD 78,200- 388- 50-C

Washington

K7SS 492,778- 1444-143-A
W7QN 24,096- 168- 48-A
KY7K 10,560- 108- 48-A
KD7H 5,992- 72- 28-A
KT7G 2,475- 50- 15-A
NK7L 57,936- 568- 51-B
KA2KRA 41,910- 381- 55-B
WB7CLU 17,544- 172- 51-B
W7QCV 484- 22- 11-B
K7QQ 264,114- 919- 73-C
K6KZV/7 165,760- 585- 70-C
K7DZ 110,124- 482- 57-C
NX7K 106,328- 450- 58-C
W7IEU 33,864- 166- 51-C
KW7R 30,822- 167- 46-C
K7IDX (+K7RI,W7WA) 786,352- 2571-136-D
WA7EGA (+WB7RBJ) 351,430- 1195-113-D
W7TJ (+KC7MM,KE7PN) 341,112- 1033-122-D
KD7P (KD7Z,KW7Y,ops) 303,732- 942-118-D
WA7PMW (+N7JB) 29,992- 308- 46-D

Wyoming

K7MM 147,196- 548- 98-A
KD7RX 22,654- 240- 47-A
KB7AWM/N 21,660- 134- 58-A
KB7M 30,400- 304- 50-B
N7GVV 8,136- 113- 36-B
KC7KC 46,800- 225- 52-C
NC7O 18,584- 101- 46-C

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Michigan

KG7C 313,344- 988-128-A
WB8MDG 56,984- 332- 68-A
KW8G 43,680- 308- 60-A
NO8Q 39,168- 149- 64-A
K8CV 17,954- 119- 47-A
W8VSK 14,100- 83- 47-A
N8EA 3,384- 55- 18-A
WB8SSF 2,744- 44- 28-A
KA8ZUO 1,054- 30- 17-A
K8CC (W8WD,op) 225,080- 1324- 85-B
KD8B 207,432- 1206- 86-B
N8AW 179,540- 955- 94-B
KB5ECK/T 68,808- 564- 61-B
KA8WOI/N 44,520- 420- 53-B
N5KGY 39,804- 321- 62-B
N8CEO 21,344- 184- 58-B
KE8NH 11,266- 131- 43-B
N8GSS 10,472- 154- 34-B
KB8BOU 3,300- 75- 22-B
K8KUH 408- 17- 12-B
WB2C/8 272- 17- 8-B
KB8AJY/N 224- 14- 8-B
K5MK 100,772- 413- 61-C
K8MPF 36,120- 268- 60-C
K8LJQ 20,672- 150- 34-C
KA5BEE/N 20,016- 126- 36-C
W8URM 18,096- 114- 39-C
NE8T 15,984- 105- 37-C
W8WVU 3,808- 54- 17-C
KA8QKQ/T 96- 6- 4-C
AA8U (+K8MJZ,KA8AEE,KB8UF, KC8EK,N8CC,WD8s BDK,MBB) 548,272- 1791-137-D
WB8BUQ (+K8JD,KD8QK,N8FME, WA8RUF) 393,176- 1360-119-D
W8YY (KA8RQU,N8IRY,N8IWT, NK8Q,ops) 43,960- 266- 70-D
N8IBO/T (+KA8ZMZ) 22,568- 217- 52-D
WA8OJR (+KB8AKI) 15,136- 153- 43-D

Ohio

WD8ISK 164,048- 846- 92-A
K8AZ (W8HSK,op) 132,472- 399-116-A
N8FU 55,176- 278- 76-A
W8YGR 29,820- 130- 71-A
KA8VPL 15,930- 166- 45-A
WA8GLF 15,840- 135- 36-A
WA8YXI 11,132- 156- 23-A
WB8MIP 10,092- 151- 29-A
K8OI 4,212- 62- 27-A
K8III 291,072- 1516- 96-B
WB8IFP 253,080- 1332- 95-B
W8WVR 106,928- 652- 82-B
W8KKF 82,432- 644- 64-B
KE8FD 37,440- 260- 72-B
KA8RBQ 33,660- 306- 55-B
KD8YR 29,484- 234- 63-B
KA8ZEE/T 25,792- 208- 62-B
W8NPF 22,790- 215- 53-B
KA8ZNZ 21,300- 213- 50-B
N8ICW/T 21,150- 235- 45-B
WD8IFC/T 17,702- 167- 53-B
N8DMM/T 10,004- 122- 41-B
K8RSH 8,208- 108- 36-B
KB8AHJ 7,326- 111- 33-B
WA8RMZ/T 7,200- 100- 36-B
W8CGG 7,004- 103- 34-B
W8BOO 6,572- 106- 31-B
KB8CPC/N 5,346- 99- 27-B
KB8CPD/N 4,448- 102- 22-B
N2FRW 3,744- 72- 26-B
N8IJY 2,268- 63- 18-B
N8HHZ/T 1,274- 49- 13-B
K8NZ 202,704- 608- 82-C
WA8DXG 133,920- 527- 62-C
W8FN 16,560- 115- 36-C
K3JT 14,652- 111- 33-C
W8PN 10,692- 95- 27-C
W8IQ 5,928- 53- 26-C
AF8C 448- 14- 8-C
KA8BIH 220- 7- 5-C
WA8RCN 144- 12- 6-C
W8SJU (+WB8PHI) 52,736- 316- 64-D
WD8DJR (+KA8NYT) 46,872- 228- 63-D
NS8A (+KA8s BEC,OLW,ZWE, WB8ZNH) 14,018- 156- 43-D
KE8AE (+W8IYA) 11,424- 136- 42-D

West Virginia

N8II 664,620- 1674-159-A
NV8N 9,516- 122- 39-B
N8APA (+N8ABW) 214,524- 996-101-D

9

Illinois

WD9DZV 324,632- 928-124-A
KG9Z 133,200- 530- 90-A
N9JF 53,092- 305- 74-A
N9GIV/T 46,576- 224- 71-A
AK9Y 35,084- 200- 49-A
ND9Y 21,504- 253- 42-A
W9HOT 7,524- 105- 33-A
N9GGE 4,848- 50- 24-A
W9REC 3,906- 56- 21-A
WA9MRU 644- 22- 14-A
KA9TNZ 192,972- 1237- 78-B
KR9G 33,924- 257- 66-B
KA9WTE/T 31,820- 430- 37-B
AD9K 26,300- 263- 50-B
KA9URK/T 24,960- 240- 52-B
AG9E 18,368- 287- 32-B
N9GMM/T 10,570- 151- 35-B
N9EVW 7,194- 109- 33-B
KA9UGJ/N 7,020- 117- 30-B
KA9WMI/T 7,004- 103- 34-B
K9KIX/M 5,936- 106- 28-B
W9ZGP 5,916- 87- 34-B
KA9CAI 4,944- 103- 24-B
N9GCF/T 2,976- 62- 24-B
WB9BZE 1,764- 49- 18-B
NJ9Q 34,028- 176- 47-C
NN9K 17,780- 119- 35-C
W4YN 11,100- 75- 37-C
W9YH (KA9s NGH,ZKI,ZNG,ZOV, WA3ULL,WD9AKV,ops) 77,520- 432- 76-D
W9CA (+N9AIB) 44,104- 210- 74-D
W9OO (WB8RFB,KA9ZOM,N9GZE, ops) 42,568- 217- 68-D

Indiana

W9OEH 329,866- 1633-101-A
AJ9C 91,808- 529- 76-A
N9ACD 67,308- 374- 71-A
N9RD 63,336- 259- 84-A
KA9PGD 9,100- 79- 35-A
KE9FZ 750- 24- 15-A
W9YSX 173,304- 1044- 83-B
N9BW 117,936- 728- 81-B
KB@C 53,328- 404- 66-B
N9FKQ/T 10,660- 130- 41-B
K9VQK 8,140- 110- 37-B
KA9SRV/T 6,080- 95- 32-B
WB9LUG 4,992- 64- 39-B
W9CZG 4,818- 73- 33-B
KA9MNR/T 3,120- 65- 24-B
KA9ZFG/T 2,448- 51- 24-B
KA9VRJ/T 266- 19- 7-B
NV9B 25,032- 144- 42-C
W9ERW 14,652- 99- 37-C
KB8AC/9 (+KA9TWM,KD9s BG,CC, N9RD,NS9A,WA9VMW) 305,620- 1126-118-D

Wisconsin

W9XT 397,980- 1174-135-A
W9OP 284,016- 1000-122-A
WA1UJU 256,020- 1079-102-A
NG9L 49,764- 328- 66-A
KA9TNJ/T 27,830- 203- 55-A
KA9CHM/T 22,920- 177- 60-A
KA9SRU/T 9,384- 101- 46-A
N9BUS 90,440- 595- 76-B
WA9CDY 13,776- 164- 42-B
K1TMM 13,776- 164- 42-B
N9ENG 13,050- 145- 45-B
K9DWS 9,114- 147- 31-B
KB9S 145,152- 497- 72-C
W9WAQ 125,960- 470- 67-C
W9HE 29,952- 191- 39-C
N9EZ 1,420- 103- 35-C
WA9TZE 400- 24- 4-C
W@AIH/9 (K@FVF,KM@O,W@UC,ops) 912,632- 2106-172-D

@

Colorado

W@YK 582,860- 1564-151-A
K9MWM 14,003- 117- 56-A
KA@JJK 7,680- 74- 40-A
N2IC 119,288- 806- 74-B
W@COQ 104,438- 661- 79-B
W@CP 78,526- 553- 71-B
KK@L 27,864- 258- 54-B
KD@NB 10,416- 124- 42-B
KA1MPF/@ 5,904- 82- 36-B
N@AJM 4,588- 74- 31-B
KE@PX 3,752- 67- 28-B
KA@NND/T 2,070- 45- 23-B
KA@RXQ/T 120- 10- 6-B
AC@S 127,296- 467- 68-C
N@FFZ 14,288- 93- 38-C
NI@P 1,680- 30- 14-C
KM@Q (+KJ@I) 336,824- 752-142-D
K@GAS (+KJ@G) 106,904- 493- 92-D

Iowa

WA@QWU 305,040- 934-120-A
WA@VBW 84,016- 391- 89-A
KF@Z 37,088- 201- 61-A
W@PUR 16,598- 193- 43-A
KA@YGX/T 11,008- 171- 32-A
KB@ATA/T 7,986- 109- 33-A
KA@QQP 5,994- 102- 27-A
K@SRL 5,460- 101- 21-A
KB@PR 131,320- 980- 67-B
WB@CQO 32,718- 287- 57-B
N@HJQ/T 28,356- 278- 51-B
N@HCV/T 26,602- 283- 47-B
W@PPF 25,228- 238- 53-B
K@EVC 6,800- 100- 34-B
WB@FBP 6,592- 103- 32-B
KA@YAP/T 5,440- 85- 32-B
KA@YKC/T 736- 23- 16-B
KJ@H 152,040- 535- 70-C
K@RW 13,860- 105- 33-C
KE@FT (+KA@RIU) 44,352- 261- 56-D
KA@WVS (+K@VV) 19,800- 198- 50-D

Kansas

WB6H 18,432- 172- 48-A
K@EW 20,196- 198- 51-B
WB@RZW/T 8,424- 108- 39-B
W@CEM 4,662- 111- 21-B
NO@Y 8- 2- 2-B
NB@Z 12,296- 104- 29-C
W@AWP 8,960- 70- 32-C
N@FMR 5,096- 49- 26-C

Minnesota

N@AT 150,110- 757- 85-A
K6DMO 106,468- 514- 86-A
N6VB/@ 23,532- 148- 53-A
KA@VVF 18,700- 160- 50-A
K@VW 16,748- 100- 53-A
WA@VHX 16,380- 172- 42-A
W@NGB 5,220- 58- 30-A
W@RXL 1,116- 20- 18-A
AC@W 77,880- 590- 66-B
W@RXJ/@ 31,688- 233- 68-B
WB@KEK 7,488- 104- 36-B
KA@ZIA 6,666- 101- 33-B
KA@TOP/T 6,554- 113- 29-B
KN@V 131,736- 499- 66-C
KD@SF 25,092- 151- 41-C
KR@B(+AF9T,KA@s YCO,YFN, KD@KF,KJ@B,KR@B,N@BKL) 528,000- 1728-132-D
K@SR (+AB@P) 330,106- 1106-119-D
N@ILS (+N@IOS) 84,624- 401- 86-D

Missouri

K4VX/@ (NU9R,op) 900,550- 2059-175-A
N@CDH 178,524- 1007- 87-A
NS@B 27,000- 154- 60-A
W@YZZ 15,936- 125- 48-A
KA@YNT 2,852- 34- 23-A
WB@GFV/T 14,688- 153- 48-B
N@HDL/T 10,062- 129- 39-B
KE@EB 6,020- 70- 43-B
WB@ZSS 13,736- 101- 34-C
KM@L 4,312- 49- 22-C
KY@B (+KQ@Z,N@s AQC,GNH,HBM, ING,WA@J,WB@s SQY,VKW,YIU, WF5U) 131,040- 755- 84-D

North Dakota

NS@Q 30,290- 133- 65-A

Nebraska

KV@I 265,224- 786-129-A
W@OOW 118,448- 452- 88-A
NZ7S 3,536- 60- 26-A

South Dakota

K1LL 400,780- 1144-145-A
KD@EE 91,512- 420- 93-A
KF6BB 43,524- 403- 54-B
WB@MWJ 35,400- 300- 59-B
W@ACT 32,940- 270- 61-B
K6JYO (+K9VV,N6CW,WB6OKK) 471,652- 1750-122-D

VE

Maritime-Newfoundland

VE1BNN 405,720- 1610-126-B
VO1QU 261,120- 1536- 85-B
VE1DX 36,504- 306- 52-B
VO1MP 82,368- 312- 66-C

Quebec

VE2RQ 35,636- 302- 59-B
VE2DRN 16,872- 222- 38-B
VE2EW 11,088- 132- 42-B
VE2GDZ 1,679- 73- 23-B
VE2TON 15,600- 97- 39-C
VE2OPB 680- 16- 10-C
VE2LRB 540- 15- 9-C

Ontario

VE3FGU 114,380- 448- 95-A
VE3LGE 159,858- 963- 83-B
VE3FWQ 113,064- 673- 84-B
VE3XN 107,406- 663- 81-B
VE3FIU 33,072- 318- 52-B
VE3BXY 21,728- 194- 56-B
VE3VET 6,864- 88- 39-B
VE3NKL 5,440- 85- 32-B
VE3FVW 390- 15- 13-B
VE3KP 118,800- 450- 66-C
VE3NBE 78,000- 325- 60-C
VE3LUG 48,480- 200- 60-C
VE3HX 13,720- 98- 35-C
VE3TEE 7,504- 66- 28-C
VE3UOW (VE3s NPB,OIL,RKS,ops) 28,380- 235- 55-D

Manitoba

VE4AMC 18,928- 182- 52-B
VE4XX (VE4s ACF,AOG,ATM,SI,ops) 7,350- 98- 35-D

Saskatchewan

VE5UF 180,400- 613-100-A
VE5XU 42,000- 188- 60-C
VE5XC 10,220- 69- 35-C

Alberta

VE6BGA 96,590- 636- 65-A
VE6ATT 77,840- 487- 70-A
VE6UX 80,300- 357- 55-C
VE6DZ 22,984- 159- 34-C

British Columbia

VE7DLM 95,450- 402- 83-A
VE7BEE 2,392- 46- 23-A
VE7DFO 156,100- 1115- 70-B
VE7XO 18,500- 185- 50-B
VE7HDX 44,884- 229- 49-C
VE7DVV 9,656- 69- 34-C

Yukon

VY1CW 7,332- 94- 39-B

Checklogs

EA7DUO,EA7GFG,K5UCV,K7DZ, KA2VVO,LZ1KAZ,N4HLU,NA2F, PA3BTH,PA@UV,PY2AC,SM4SET, VE1ACK,VE4IN,VE7ACM,W8MAW, WB9YBM,YO7KAJ,ZP5JCY