

ARRL DXCC - 80 Meters

The ARRL DXCC is awarded to amateurs who submit confirmations for contacts with 100 or more entities on the ARRL DXCC List. As of 25 Aug 2025, there were 340 current entities on the list. The DXCC Honor Roll includes those who are within 9 entities of that figure for the Mixed, Phone, CW and Digital awards. The following listing of the DXCC membership contains the call signs and exact credited totals by endorsement level. Awards are NOT activated automatically; participants must apply to have a particular award (band, mode etc) activated when the qualifying number of credits is obtained. "Inactive" members (whose most recent DXCC application was before 1994-01-01 and who are not a current ARRL member) are shown in gray.

See the [ARRL DXCC FAQ](#) for details.

358 W4DR	K4PI W3LPL	N1DG R7LV W1MK	337 JA3FYC K3UA W1YY	332 DL4MCF JA5AQC OE6IMD SP7VC UT5UIA	I5NPH IK6DLK JA1HGY JA4LKB N8JV OZ1CTK RA3CQ
357 W1NH	347 JA4DND K4DY OZ1LO SM4HCM	341 DJ6RX OH5VT PY2XB SM5CEU SM6GZ W8UVZ	336 HA8IE JA2WYN N3XX SM3GSK UR0MC	331 K1UO N1RJ N8DX OE3GCU OK3GU RA7A SP5CJQ	328 G3KMA GM0GAV HA5WA HB9BGV IK8HJC JF2MBF K0SR K3FN N2LT N3SL N4CH R3OK SM5KNV SP3E SP7GAQ SP8AJK UA3DPM W3NO W5EU
355 EA8AK					
354 K4MQG K5UR OH1XX	346 4X4DK I4AVG JA2VPO JR2KDN SM6CVX SP2FAX	340 KG4W N6AR OZ3PZ UA4CC VE3EJ W3YX	335 GM3POI JA1BK JA8EAT N2TK SP3EPK UA6A W4VQ WA4FFW WD5COV		
353 JA1ELY OH2BU W9ZR	345 K4CIA N0XA N4CC	339 JA5AUC K4ZW OH1MA R4GM UA3AKO	334 DK5PR F6BK1 JA8DNV K0KX KF2O NR1R OZ1BTE W0BV	330 9A7V CT1EEB F5NTV G0JHC G4BWP GM3YTS IK4GME JA5EXW K6SSS K7ZV RU3DX SV1FJA VA3DX W2YC W5ZN YO3APJ	
352 N4WW W1JR					
351 K2TQC SP3GEM W1NG	344 SM5AQD UA4HBW W7UT				
350 SM0AJU W4ZV	343 JR3IIR K8MFO LZ2DF PE5T SM3EVR W3UR WB9Z	338 DF3CB DJ9KG JH1GZE JH4IFF K5RK N0TB NN4T UT5UGR W4QCU	333 EY8MM I4EWH IK4WMA JH4UYB UA3AB		327 DL1RWN EU7A K4UTE N2QT OE1WEU OH2FT RZ3AM S58T W8AV
349 HA0DU SP5EWY W4AG				329 AA1V DJ2YA EA6SX I5KKW	
348 JA1UQP	342 JA2JPA K4ESE				

326 IK4DRY JA6BZA JG3QZN LA5HE N4XU PY2YP SL0ZG VE7SV	W4DKS WX4G	R5AJ	313 DF4PL G3LZQ HB9AMO IK2YCW JA7MSQ JR7VHZ K1MM K1ST K9RX LA7JO LZ2JE SM6CMU W5OZI W7OM	W9RN	305 F6BLP G0DQS JH2UVL K0EU K1DC K5AQ N1SV N4DW W3AP
325 AA7A AG9S IK5HHA IZ0AEG JA2QPY JA3EMU K5BG KD5M N4PQX NJ6P PA3FQA R7AA SP3IBS SP8NR W1GL W9RPM YU1FW	322 IK1GPG JA1XEC K2FF K4QL K4SO K4XP K8GG R7NW SP9DWT UA3LAR	317 DL7MAE HL3IUA LA5IIA ON7TK S59Z UA3AP	312 DJ5FI DK5WL G3TXF G3XTT JA5IU K5EJ K5KC N8TR RK4FD RX3AGD SP1S VE2TZZ WK3N	309 DK1FW EI7BA IZ5DKJ JF1PUW JH2FXK JJ3PRT KG7H N4II OH1LEU SM6DHF W1DIG W4UM	304 I4LCK JF3KON K3WW N4AH N5AW NI0G OK1MP* ON4IQ RA9CMO SP9JZU W3GG
324 9A2EU CT1APE K2RR N0RR OH1TX PY2BW R7DX SM3NRY SP6HEQ UX1UA VE1YX W4PK	321 E72A EA5BM F6BEE JA2JW K1ZZ K8PT N0AT N2NL N4XM NO8D UT7UJ UY5ZZ	316 AA6YQ DL1DUL G4PWA JA8ISU JG1ULJ K9FD* N7RT SV1RK W6XA YO5BRZ	311 DL2OE IK4CIE JA0UUA JA1SYY K2UO KW9A ON4AOI RN3QN	308 AD5A EA9IE FK8CP JH4ADV K3JGJ K5ZK K8SIX N4MM N5UR SM6CCO VE3XN W1TSP W2RQ W3LL W7AO	303 HA7TM JR1TNE K2CL K3UL N4DB N7FU W2LO W4DC WA2VYA ZS4TX
323 EA6NB HB9BIN HB9RG JQ3DUE N3NT RV3LO UA3AGW UA6MF W0FLS	320 G3TJW K1AR R9FM RU3FM RY9C SM5BFJ SP5DIR SV8CS UA4LY UT9FJ W18A	315 AA1QD G4CCZ K0IEA K5DU K5OVC K5XI N8PR OZ1ING PY5HOT R3VA RX4HZ	310 DL5DSM EI6S JA1EOD JJ2LPV JO1WKO K2RW K2UU K4XO K9ZO N8RR W0VTT	307 JA2JNA JR4OZR K0KT K3YA K4SV NQ1K OE6DK R9TO SV8BHN WB8ZRL	302 DJ4AX EA4KD JA1KQX JA9FPI K1FZ K5KLA K5MC K9MM N4NX PY7DJ R8TX SM6BGG UT2UB W8GC

301 DF2IS DJ9VA DK2JX EA1YO I1EIS JA2DPC JF8QNF K2TE K5UO K9NU KE9L KV7K OE1ZL OE5NNN VE3EXY WP4U	JR6PGB K2VV K4HB K9YY KX4R N2TN N4QS N5TY* R5DT SM3NXS SM4DDE W1RM	WA5VGI	290 AJ1H CT4NH JA4MRL LA7AFA W1YM W2IRT	286 A45XR AA9A I3BUI IK0XBX JA0GJJ K2SHZ NN4X RA1QD RU6L WB6RSE	K9US LA9AJA UW2ZM W7BEM
300 F6DAY IZ1LBG IZ8FFA JA0EOK K2SY K4CN MD0CCE N0AV N7US OE8HIK RA0FF UA9FAR W1CU W6YI W9IXX YO7LCB YU3AA	297 AB6QM DJ9HX DK2GZ EA3GP F6EXV IW1ARB JA7QVI K4MWB LA3MHA NK1K OE2LCM ON4IZ OZ4O W3KX W7DO YV1DIG	293 AD5Q JA2ZL JH0INP JK1OPL K8FL NI6T SP3CGK VA5DX VE6WZ W1BR	289 9A4W JA2XYO JA4DLP JF2UPM K0XN KC7V N1AC N8BM* OM4EX SM0CCM SM6DHU	285 AA1ON AJ6T CT1IUA DL5WW K1DT K5RT N5KM NE1B NM6V SP7ITB	281 DK2NG EA6ET K1OA K4NA NV9L ON4ATW W9AJ
299 AI9L I0KDF K6ND K8ZTT KZ4V N6JV OZ1AXG RA3QK WA1JMP WA2HZO WA7NB	296 I1FQH IV3YYK JS2LHI K1DG LA8PT ON4CD UA3TT UR5EDX	292 K1LD K4ZYOU K9EU SM3VAC SP5GH W2LK WA3C	288 9A2JK 9A4T JA2FJP JA3AAW K9KU KN5O PY5EG SM5CZQ W1MU W4FC W6XK W7ZI W9MU	284 AD1C G4IUF JA7ZP JH1TWT K3WC K8BCK KA9CFD UN7JX W1ECT	280 AF9H CU2DX DM5EE G5LP K8EUR N6DX
298 HB9BZA JA0CRI	295 AA6AA AB3CV G4OBK IZ8FWN JA9LJS JA9PPC JF7DZA K3PA OZ8BZ SP6CDK W0YG	291 DL5AN EW2A JA2IVK JF7XKY JH1IFS JN7FAH K4HGX N9AU* PY5EW RW7M VE1DX W9OP W9XY WT8C	287 EA1N EA6VQ F2JD JA3AZD JA6BZI JH4JNG N8DJX N9EN OE8RT SP7HOV W0MHK WA2UUK WS6X YS1RR	283 G4WFO JF2XGF K0CS K1HTV KM1D MM0EAX RU3QR RW4NN SM6BZV W0FS	279 DL4CF E72U G4GIR HB9DDZ I4KDJ IT9JNR JA2AAQ JA4DEN JA4FKX JI2KXK KF0QR N8LJ SM5FUG SP1MGM W1ZK
				282 DK3DG DL9TJ EA5RM G3WPH K8YSE	278 4Z5MU CX6VM EA2IA HK3W I6FLD IK6GPZ K7SO RW3RN SV2AEL US0KW W1UK

277 AB4IQ DL6KR EA3JL G0OIL JA3FGJ JE1PNX K6YRA LU2NI ON4GG VE3FF	DF2RG EA5BY HB9LCW JA1HQT JA1SJV K4JJW K5FUV K7XB N9UA RN3CT SV1DPI UN6T W6TMD W7WM WD5K WN6W	K6SIK N7GR NX0I W2SM	NY0V W9YSX	K2LS K7NN N2TU* SM6CUK W8UV	254 CT1GFK DJ5JH EA5AT JA5BLB K3RA K3SV K8TL KE9ET N3QE N8OC VE7AHA W7LR W8HC WD8PKF
276 HA9PP JE1SYN K8WK K9MK OE2BZL VE3LYC W5TCX WS9V	272 HB9DDO JA1ANR W1TYQ	268 DL5ZB DL6ZXG EA7TV EU1KY HB9HFN IK7JTF JI4POR JL1UXH K4SE K8NVR KB0EO N7RO W4OX WB4TDH WB5JID WE9R	263 EI6FR K7EG KP2A N4QQ RM0F SK3PY SK7AX UT7UV W6RLL ZS6EZ	258 AB9V DM2DXA JA1FQI JA9TWN K2AZ K5GKC KR4F R9SA UN7LZ W4FQT W6VX W8LGJ WO7R	253 4O3A DJ4XA DL5CW JE1BMJ JJ3HGJ K1LPS K1LT K3JT WA9PIE YO2DFA
275 AA5AM JE7ETY JE7RJS JE8BKW K0JUH K3MSB N1RR N5FG ON4ACG SM4CTT W1KSZ W5AJ	271 DJ5AV JA6LCJ K5XX NA5C VE3BW VK3QI	267 DL7BA JH1NYM JR3OEH K1FK K4JLD K8BN LB8DC W4YV	262 K3KY K7BG K8GI WF4U WO2N	257 I2TZK IK2QPR JG0CQK K2TK K5WK K9IR KB8VAO NA2M* W0GJ	252 DL8OH EV1R JA7JWF JA7MA JF1WPB JF6DSZ K0BBC K3ND K4FJ K7LJ N5UL N9BX NU8Z PY2RO RU1AO W1YIF W5CIA W6NWS WA8WW
274 CT1BH F4BKV I1JQJ IZ8VYU JA9NLE K1NU KD0Q LA7HJA N6ET UN9L W3DRY W8TE	270 IZ8XQC JA2THS JA4FHE JD1AMA JE2LUN JF1UVJ K0DEQ K1NTR K5PC LA5LJA N3KV SM4AZQ W6SR W6UC WB9CIF	266 CT1FMX EA3WD JA0DIN JA4EPE JA4IYL JA5XAE JL1ARF N5OK ND0N SM0NJO SP8FNA W9OO	261 JH7IAJ K1GG K2NV K8VC K9XD LA3WAA W5XC W7MO W8HW	256 AC6HY CU2AP DF2GH G3VKW HB9CXZ IZ3ENH N5GH W2FCR W5ZG	251 EA5KA G0EHO K6FG
273 AG4W AH7C	269 IV3GOW JA2BDR JA3ENN JA4PXC K0TT	265 AJ3K CT3MD K4TT N7KA N7XR	259 JA2NDQ JA9NFO JH1ORA JH9AUB	255 EW4M IK0HBN JP1IOF OH2IS RD3AW W4WM W8OI	

N1EN NE8P SM4EMO SV1JG W3GQ W7KW	246 E73Y G0BLB GM3PPE IK3SWB IW0SAF JA2VQF JA3GN JA3MNP JA7MOL JL1RUC N4TJ N6UC UR3EO WX0B	N4GN N5TW SP6A W7SX W8DCH	W8TN	SM3CBR SM5CAK W1ZT WE0Q	NX7K RL3FA S54A W0LS
250 HB9DHK JA1MRM JA6BJV K1HT K5JZ N9FN RN9N		242 EA3GHQ F5PAC IZ8DFO K1LI K2PK K8ROX LB6KC N5XZ NO2R NW7E PY2KP PY2SP PY2XU SP5IWA TF3SG W1YW	239 G3KMQ JE3ENP JN1BMX JR2LJO K5ZD LA0FA N3MN SM5OJH UX5UO W5FI W7ZJ	235 DO4DXA HB9BUN JA7LMZ JE2DZC JH4HMG JH7RXU K7PI KD3CQ KQ8M LU3CQ N5MOA N5ORT N9RD NE0U SM7HCW W0TT W7/DL1UF W8KEN WB7B YL2KF	231 9H1SP K1ZE K3VAT K4PB N4RWG W1TO W6TC W8WEJ
249 AA4R DL4SZB IK5DNF JH1OBS K0BJ K4XI K6AM KF8UN LB2TB N4EFS RD3A WA9CVK	245 DF3UB DL1DA DL5EBE JA9APS K0II K6SRZ PA3EWP PC3T PY4OY RU6M SM4BNZ W2KKZ W2WG W3JX W5ADD WO2T	241 EC3A G3KWK G3VPW IV3DXW JA0DWY JA1IZZ JH1RFR K9OT KI5BLU W2JU W2XI W4BP WA3AFS WB9EEE	238 IZ0RVI JH3CUL K2SX K7SP N9RS VE7DX WA2NPD		230 JA6VQA JG1WSC JI1DHY K0KVR K1EFI K4XR KD0PO KS1J N1IBM N5JB VE7JO W5ODD ZL2IFB
248 AA1AC AA4MM DK3WW DK8MCT F6GCP JA1WSK JA8RJE JE1LFX JH0BQX W1VT	244 EI9FBB JN1RQV K6KO N5LZ SV3DCX		237 AA7G BH4QYX GM3YOR IK0AGU JA9AGN JE2LPC JE2OVG JR1BAS K1RO K1USA K8FH KG6I N1ZZ OE3EVA W4ABW WB8BPU	234 CT1FCX CT1FPQ IZ5MOQ N5ZC OH1ZK SM7IUN SV1ACK	229 JA1XAF JH8GYP K7BV* K7WP KA8SYV KB1EFS KT8X N4HB N7QT OE6CLD UR5FEO WB8B
247 F5CQ IK8EPC JA1RTX JA3APL K4WA K4XD K9OW RA5BM W0DJC WA6F	243 9A1AD I2EOW JA1GTF JA9FAI JM1FHL JS3CTQ K0VSH K9JF K9MBQ KK4CB LA2QM	240 AF4HX F5LVL I0JBL IK4PLW JE7JDL K4EM K5TA KB1JZU NS6C ON4ON VE3VHB W7CT	236 DL1AP HB0CC JA7QFU JJ1DWT K1ESE K4ZO K9FN K9YC LA5YJ OZ1LCG	233 JA5FBZ JI8DGO K2UR KQ3F KT1V N8BJQ RA3SS XE2X	228 DL6UAA EA1DLU EA8BYR I5HOR IZ8GGF JA2HYD JH1BNC JH1HHC

K4RG	JE2EHP	222	SP6M	K3XA	K7WJB
K6EME	JH1QAX	EA5RU		K7ZA	KJ9C
N3RC	JH4PMV	HB9AAQ	218	KB2FCV	KL0S
N4LR	K0SD	HB9CEX	CT3HF	KF6HI	NN4SS
OZ7OP	K9MMS	HB9TKS	JA2AHH	KX2A	RD3BD
W0CP	KU0A	IK0PEA	K1XM	LA7WCA	SV1GRE
W2GG	LA9GX	IZ8IEV	KS3F	N1GC	W3RJW
W4HG	N2DPF	JR6FC	S55DX	N2WB	
	N2JJ	K4WM	W0AWL	PA0ZH	211
227	N8KOL	KF7PG	W1OPD	PY2MC	CT3DL
DL6JZ	OZ2RH	N6MZ	W5FKX	VE7SZ	JH4CPC
EI2GLB	PE1L	OE8SPW	WB8CQV	W9ILY	JN7DOS
F6FXU	RU3A	W3BW		WB8K	N2LM
HL2WA	UA0BA	W5VQ	217	WC4X	PA7TWO
IK4FNF	W6BJH		EA1RT	YB5QZ	RX4HW
JA2CXF	W7YAQ	221	IK2ANI		SM5AOG
JF1IRW	W8CZN	A65BR	JA1GRM	214	W1AO
JH2SON		AA5AU	JA3LDH	E70T	W1WC
JK1EXO	224	G4XRV	JA5JUG	HB9IQB	W4MAY
K3SEW	AI2Q	IZ2EWR	JK1GOK	JA1OND	W6SZN
K4JAF	CT1EAV	JA5BEN	JR2UBS	J14WAO	W8MET
K4RO	DL6MRS	JE6TSP	JR5JAQ	K0LUZ	W9EWZ
K5PS	DS5RNM	JR6LLN	K3FRK	K5WAF	WW2DX
K5TT	JA8EKU	KI0KB	K6DT	K8RRT	
K6KLY	JH8RZJ	N0KV	OE3SGU	K9NR	210
K6RO	JK1AJX	N4TV	OE5RLM	N9ISN	AA8OY
N4PY	K5OT	NA5DX	OH6NIO	RU0SN	BH4IGO
N7IR	K5VIP	OE1AZS	ON6AA	W2AY	DJ5DT
RN8W	K8JJC	PA3CSR	W1RR	YB0COU	JA7LGE
SP8HKT	ON5UE	SM3LGO	W6AUG	YO3CD	JG3LGD
VE3CRG	RM3DA	W0VX	W6RKC		K5VWW
W1SKU	VE3CFK	WB3JFS	W7HPW	213	K7ORK
	W1LW	WW3S		AA8CH	K8KS
226	WA4LOX		216	DK3UA	K9TF
AE5E		220	AB5C	DK7YY	KG9Z
DJ9ON	223	HS1NGR	HB9CQK	DL1SDH	KT2E
EA3CJ	EI9JF	JA0AOO	JK3BLD	EA7SG	N2NS
JA4ITW	EU1U	JA1PTJ	JR7FRW	EW1BA	N4TL
K2EK	JA7BWT	JR7WFC	K8QM	JA7KY	N5BO
K4ZIN	K3ANS	K1KI	N4ONI	K3OX	N9JV
N8PW	K7LV	K1YR	N7TY	N8II	OH1JP
NE3F	K9RT	K4EA	N7UN	NN4R	W4WT
PY2NQ	LB5WB	N2WLG	UT3UZ	NR4M	W9JJB
VK3HJ	N6HC	UN7TW	W0DD	SP7CVW	WA5POK
	ON4CAS	W8RLS	W0RX	W4VIC	WB5XX
225	SM5CBM		W0SZ		
DS1JFY	W0HBH	219		212	209
EA1AF	W5VX	JA2TBS	215	DL1HRN	AC4TO
HB9SLO	W6SL	K4MS	5B4AHJ	DL1TRK	AE0P
I8JIT	XE1VIC	K6FW	DJ9RR	IZ5JMZ	DM1TT
JA2FBC	YL2TW	KE9I	DL1SMA	JR3HZW	IV3VBM
JA6BEE		KQ4AV	K1GE	K2AX	JA2XCR
JA8DRK		SM0BYD	K1KA	K7VV	JG4AKL

JT1CO	K6NR	202	WZ8P	G3SVD	K6UM
KJ6NZ	K6ZZ	JA8BNP	XE1H	JA1VLK	N1JP
N3KS	KA1J	JH4ADK		JR7XOD	N5UW
N4XP	LA6UL	JH7BKN	199	K2BA	ND5S
RU1AB	NA9RB	K2FW	I4MKN	K4CM	PA0JSE
UA3ECJ	W1NA	K6TAR	IK5RUN	K5FNQ	SM4CTI
W3OOU	W2QO	K6YUI	JH4GJR	K8BL	SM7BHH
W4ZX	W7AL	PY5CC	K1BZ	KA1ERL	SP5ES
W5SL	W9YE	SM3PZG	K2XF	KK1W	SV2DGH
W7NN		SM5ENX	KJ6P	N7WS	W5WP
WB8ZRV	205	W5BPT	SM4BZH	NA2AA	YL3DQ
WL7E	JA0NZR	WA4CEM	UA0SC	PY1OL	
XE1KK	JA8EJO	WD9DZV	W2GW	UT7KF	192
ZL2AL	JH6PFY		W3OA	W2FV	AE6Y
	K1UU	201	WA1S	W2YE	I2YWR
208	K2MYR	CT1BWU	ZL4AS	W7AH	IK2SGB
EA8AXT	K5QX	F6ECI	ZS1A	WV4TN	IK5ZUK
GW3SFC	KA8ZPE	HK1MW			JE8TGI
JA0DET	KU4XO	JA1LSP	198	195	K6PJ
JA1NWD	LU8EKC	JE1CTA	CT3KN	A92BE	K8UT
JA2ATE	RT0F	JE2RDO	DF7EE	AA8LL	N7BT
JA5WIZ	W1SSN	JG8FWH	HK4SAN	AC6T	W1EQ
JA6WJL	W5DAW	K1JIU	K0DEW	DS5TOS	W4GIW
JH6JMN	WA0I	K8YTO	K5GH	HB9DOT	W4RFZ
K7ZD		LA6OP	NA4EA	IZ2FOS	W5ZO
K9ZM	204	N9SF	SP1DSZ	K4MF	W6RS
RQ3A	AI6Z	SP6JIU	UA3O	K4OY	WA4BIM
UA3FF	JA8JO	SV1FKZ	W2PS	K9GA	YO3DDZ
UW7UA	JH4FEB	TI5KD	W9PZT	KX4TT	
W2OO	K1CA	VE3YF	WB4YDL	N1NY	191
W5VY	OH8NW	W2CG	WD4LBR	N8SNM	AD6W
WE1P	SV1VS	W6AEA		NA2P	IK5CBE
	W2/CT1GIF		197	SM5CLE	JA1PMN
207	W6KK	200	AC9EM	TI5RLI	JH1AGU
AA5AT		9K2OD	DL9FCY	W4RDX	K0GY
HB9BAT	203	HB9RYZ	JA2IYJ	W8FIB	K1TO
IV3TDM	DJ3GW	IK5MDF	JA3CMD	WD0DAN	K1ZN
K1KO	EA8AKN	JA1SKE	JA8XQI	YO9FNP	K7FL
K1NJ	HA7UW	JA4XH	K4CMS		K9OR
K4JPD	IK0HFO	JA7JI	K6UT	194	KF0LA
K4YYL	IK4HPU	JH0RVY	K7UR	J11NJC	KR2Q
K7UT	JA3MHA	K0KG	KD6UO	M0CSD	KU4BP
KA7T	K1IT	K7ZBV	KM4H	N1PM	N8NN
LA2PA	K3GT	K8ZH	KZ0X	VK3NX	NX1L
N1QY	K3OSX	K9ALP	N0AH	W5CWQ	SV1FJP
N3OC	N0RN	N4MHQ	N1RK	W6ENZ	W3ABT
RU9UC	N6HY	R3IS	N7HN	YT2AA	W4UCK
WS5W	SV9COL	VU2CPL	NG0T		WC1M
YO2RR	VE6LB	W2OIB	PZ5RA	193	ZS6WB
	VE7UF	W5GZ	R9MJ	IK0LNN	
206	VK3BDX	W8GNM		IW0HQE	190
AB0CT	W8KA	W8WRP	196	JR4LNG	7K1PTT
JA1FNO		WB1S	F5PBM	K5FZ	EA2AFV

EW3CW	JA0LFV	IZ2AMW	NY2NY	JH1RFM	JA5SUD
JA2KSP	JA2VMU	IZ5RVG	SV2DCD	K7ACZ	K1RI
JH1APK	JR3UIC	JA6CBG	VU2NKS	KA6BIM	K4VIG
JJ1SKG	K3PP	JA6TMU	W1PX	KD8RQE	KB4MRX
JR1MLU	K4WZ	K3GGN	W5DNT	N7TR	KJ7M
K4MZ	K5CD	K4AV	W7MEM	OZ7FOC	KZ1W
K9GWH	K8DV	K5KG	XE2CQ	W2WC	N3ND
KQ4EE	OH7TV	K8NK	ZS2DL	W5GAI	PY2WC
N6GP	OM7CA	KI4DLS	181	WE4S	VE7VV
OZ8SW	VE6SV	KO8SCA	AA4DO	YO4DW	W3FI
SP3EPG	W3MR	N2RJ	DL6CNG	ZL1BYZ	W3TN
UA0FO	186	N6PM	EI2JD	178	W9DX
W7SLB	G3NDC	SM5FWW	JH1ROJ	CT1ESO	WA1FCN
189	IT9GSF	SV1IW	JK1BSM	I0MWI	WA1PMA
AA4NC	JE8CLT	W1UE	K1RH	IK8YTA	WA4JQS
JA1DM*	JH2AYB	W9FI	K3EA	IV3TMV	175
JA1OVD	JH4CBM	WA0RVK	KE4UW	JE8LWZ	JA1JAT
K2QMF	JR1BLX	183	OZ1IKY	K2HAT	JA3BXF
K4JC	JR7MAZ	4Z4DX	UT6UA	KM6HB	JA8LRG
K8TVD	KD2T	DJ5IO	W0GG	N0AMI	JH1DGQ
N0RB	NE0DX	DL1KUR	WY1G	N3NR	JM2RUV
NI5F	OZ8RO	EA1JO	180	OE2SCM	K0EOO
OH3OJ	SM3PHM	EA3GHZ	E21EIC	RW4CY	K4BYN
PA5TT	W1ITU	EA8RR	EC1A	SP5JXK	KW4MM
PY2VA	W4SK	F3AT	I0OSI	VE6AX	N4PL
RA3QUA	W5PF	GU4YOX	IK7FPV	W6DR	N6PAT
SM2DMU	W8JRK	HB9BXE	IZ4DPV	WA5IPS	N6ZN
SM7GIB	WA7TZY	HL3GOB	JA1DOT	WF2S	NY3C
SP9WZS	XE1J*	IK5PWN	JA4VUQ	WT4Q	SM5CZK
W0YK	185	IT9CVO	JA6GIJ	177	SM7NDX
W2LE	AD7L	JA1DOF	JA7IC	AA6RR	VK2DX
W5KFT	DK4TP	JA8NFV	K0LU	DL6LIM	W1NT
WB2AA	DL8PG	JA9CWJ	K0TPP	I8LWL	W7CD
WT3Q	EA1KK	JQ6RUP	K2CBI	IK0EFR	ZL3JT
188	EW1P	K8AJS	N6PSE	JA4DHN	174
JA2FGL	HB9DHG	NA2U	SV1BYI	JR6GIM	DS4AOW
JN1GTG	HI3T	NA5Q	W2KA	K0GD	IZ5BAM
K0TV	JA1FJJ	ON6YH	W5JAY	K5UZ	JA7SFD
K7WE	JA8UIV	R0FA	W5WQN	KA2CYN	JM1BPP
KA4RRU	JR4VMS	R9JX	W8LMG	LA8HGA	K3XO
W4GE	K0MD	W6JTI	WK7E	N6RV	K9HQM
W7HR	K1RV	W8IQ	179	NT2A	K9SG
W7IV	K4KGG	W8OP	DL2CHN	RA9SC	KB6CIO
WP3R	K8RYU	WA4TII	DS3HWS	VE3OI	N1NK
ZL4TT	NA2X	182	HB9EFK	WD9Q	N6NU
ZP5JCY	W5QM	F6DBX	IW3GJF	WQ7B	OH4UI
187	W8HB	I5OYY	JE2HCJ	176	PA2TMS
DH0GSU	184	K7UA	JE3CYW	CU2CE	SV3KH
IK4AUY	AK1L	KE1F	JF1RYU	IW1QN	SV9AHZ
IT9BLB	EA4CQT	ND3F	JG3SKK	JA1IOA	TZ4AM
		NW6S			WA8MCD

WB2WPM	170	I0KRP	WA5LFD	IT9DAA	DM2RM
WC2K	BA4MY	JA3FHL		JA2NQG	F9XL
173	EA2AA	JA5BGA	164	JA8BZL	JA0GCI
4X6ZK	IT9ODQ	JA5NPV	DJ1TO	K1DJ	JA1MZL
AG1A	JA3MF	JA9CG	DL5XL	K2AT	JA4HAW
K1EO	JA3RQ	JH1APZ	EW1KP	K2RU	JA5PUL
KI4GE	JA6SRB	JL2JVX	HA5BSW	K4JKB	JA7XBG
KK4OK	JE1PHH	KQ1F	HA5WG	K4MM	JF2WGN
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S57AT	KH2L	RA3LAL	JH1RGG	N2ZA	KI4WCQ
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WF4G	NO9E	166	KK4OW	W6WA	N3RR
	OE2GEN	DL1QQ	LU2DSL	W8PC	N3XM
172	PY2DS	DL3KZA	LZ2ZG	WB0N	ND6G
AB2E	W4HZ	G3WW	N8OQ	WW1N	TA1CM
JL3JTD	WB6JXJ	HB9DVZ	N8PCN		W0KCJ
K4WNW	YO2CMI	I2DMI	PA0TCA	161	W6CUA
KY6R	169	IZ4DIW	RA3BL	AJ4A	WW4LL
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N4OA	IT9AAI	JA7BEW	VE1OP	JA1BPA	
N5ET	K2RET	K8ME	VR2MY	JA1SDV	159
N6RK	K3PU	KN6KI	W1JA	JF7RJM	9M6YBG
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		E70A	IW0BYL	N3HBX	JH1ACA
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IU0LFQ	I8DVJ	JF3PNQ	JJ2EMF	NK0S	K5RA
JA1QIW	JA2FSM	JS6TWW	KF9UG	SM0DSF	LZ2JF
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N6UK	SP5MXZ	SV1GYG	WA2UKA	W8HMK	W7VY
W1OP	WA4AFE	VK4CAG	WA8JBG	W8IW	WV9L
W4CCS		W2YR	YO3AIS	XE1RBV	
W4NJ	167	W9MO	162	160	158
W7WZ	AA7XT	WA0SXV	E73D	AB4UF	AA8R
W9BEA	CU3EQ	WA4VA	IK2VUC	DL7UPN	BA7IO
					DL4NBE

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DL9DRA		W6NK	W7FI	K4NC	K4WJ
JA1SHE	155	W8MHW	W7IB	K5DHY	K7CMZ
JA2ITK	5T5PA			K8MN	N4NW
K4XU	9A1A	153	151	N0STL	N6IG
LA2GH	AA4DD	7K3QPL	AA4FL	N2SQW	NG0G
N2ZZ	EA3EQT	AA9GR	EA7OH	N4PYI	VE1VOX
N4DWK	GM0AXY	EB3CW	EI3IO	N6WT	W4MA
R7LP	JH1SJN	F4FLF	EI9E	ND0F	W8WFN
RU3UR	JH1VHU	G0VXE	G4XEE	NU4I	W9CSX
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WS1L	KR6C	JA2BUR	JR7ILA	W4NBS	
	KZ5DX	JA7GYP	K1AJ	W9GXR	147
157	LA2RZ	JH3HTD	K1PL	WA4MME	AB4SF
CT1DKS	N1MD	K1YT	K3FM	WB4JTT	AD6ZJ
G4AFJ	N3IQ	K4EU	K4ST	WV2I	DK6OR
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JR4VEV	N8WRL	N2FF	KS4S	AB1J	HA5PT
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UA4PK	UN3G	VE3YXO	VA3XQ	JA4ZA	JA6NQT
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W5RF	W2HUG	W9SE	W4WW	K3NF	K3PT
W7RN	W4HOG	WN9O	W8VVG	K4WY	K6ME
W8BBQ	W7IUO		WA0ROI	K8AV	KB1W
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ZS2EZ		AF2C		N7MB	LA5XGA
	154	EU1DX	150	N9IO	N7MQ
156	DK3BK	G3LUW	AL7R	NJ7G	N7TP
DK0EE	G4FTC	IK0CHU	CT1FUH	NX2X	NV4B
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NA9Q	RD9M	VE7XT	JA0PE	EC1AIJ	
SP5ELW	RT5A	W0LYI	JA3EOP	IZ4AIB	146
W2FK	SM5BEU	W1LE	JA9AA	JA1CZI	DD0VU
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KK6T	144	NU4Y	SP7ICE	KE4S	AA9RR
LX1CW	AA0MZ	NW8F	VE1JBC	KH6DX	DL2VWR
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W9ZCL	N7OJ	JH1VUO	IV3VCS	AC4VM	W7KSK
WA2USA	NZ3O	JH7LVK	JA3EY	EW1LM	W7QHE
WA9DU	R7LA	K0PJ	JA7KQC	HB9AZO	W8UQ
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DL7UGO	WC4H	W1DXH	KP4P	K2WK	9H1AE
DL9GTB		W2TX	LU8ADX	KE7LU	AA6RE
EI6IZ	143	W3DQS	N2PK	KF4VTT	AG1I
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KC2STA	AG7N	KZ9DX	WB4CW	JA8BAR	N4GBK
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NU1O	HB0WR	NT5O	DJ2RB	K4VX	VO1AU
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	K0XP	132	JM1VRW	N4LUF	WY6N
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AE4CW	K8QKY	AE5B	K7LAZ	N8IL	4X4MF
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KO4PY	WE2N	N2XQM	W7NP	129	JE3BIQ
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N9MB	DL5JS	NA4MM	WA6TQT	DL3LAB	K4LQ
OE3EPW	DL8JJ	NG7M	WB0PWA	EA5DFV	K8ROK
PT7CB	EA3CWK	NH6T/W4	WD8MGQ	GM0CWR	KA1O
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W1MRH	IK6COX	NW7US	130	JA7EU	KE4BKL
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NC4RY	KC8IVC	W1XV	AC4BT	IV3KCB	K3RWN
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W1PNR	KS0M		IK4BHO	JA3EEM	K8CXM
W3EF	KS4XQ	124	JA2CXK	JA8ZO	K9QJ
W5UE	LA7EIA	BG8PA	JA2JRG	JE8IGW	KC9WPS
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	N4LV	DM5JBN	JA7KE	JM1ESG	KT5X
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AI2S	N6PEQ	G3XLF	JE3GUG	KF8DX	N4TKF
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K0AZ	125	K2WJ	KC4HN	VE7ON	W5FL
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WB2KSP	JA2QCX	N7ELL	W2PSU		IZ5EBL
WC0W	JA6EXO	NC2Y	W2XX	121	JA3BLN
WC5E	K2ZZ	NN4K	W4GKR	EI8GS	JF1EGO
YT7T	K5TIA	NS4F	W6PH	F6FYD	JH1LZU
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DK3FB	KG5VK	W5WZ	WC4V	IK5BOH/2	K3SF
EA4EPY	KM9E	WA4QMQ	WQ1H	JA0MRW	KD2SC
EA6EE	KQ5M	WA8RCK		JA2ACI	KD4POJ
EW4A	N3OUC	WA9BZW	122	JA8EIA	KF8HR
G4NBS	N4ENE	WB4SON	9A3LYL	JH1AEP	KI4TZ
JG1SWM	ND4X	WD6T	AA7FL	JH1SBE	N2CG
JG3KLF	PT2CSM	WR7Q	BV1EK	JR4CZM	N5BA
JH4GNE	PY2RN	ZS6NJ	F5RQQ	K0FG	N5PA
K1EDG	RT2O		HB9BEM	K0QQ	N9DJ

NO2C	WA9JWL	WA4USA	SV2CLJ	W0QC	N8SHZ
NW4M	WB2ZAB	WB4PWZ	SV3RKM	W1GWN	ND4Q
PY2SEX	WB3BFC	WZ6Z	TA1AL	W4ARK	NK2H
SV3AQR	WB8IZM	XE1R	TF3DT	W4CZ	PV8ABC
VU2PTT	WB9WHQ	YB1RUS	UT2VC	W4DFU	UU1JA
W0UY	WD4IXD	ZS5LEE	V51YJ	W7RR	VK3OT
W4AFB	WY0V		VE7ACN	W7VJ	W2HAZ
W5DM	ZL1WG	117	W1UN	WA2EOV	W5GO
W5EC		AB4GE	W3WN	WA8LOW	W5HNK
W6DE	118	AJ8MH	W4OWY	WB4DNL	W6QON
W6HDG	AA4NG	DF2UA	W6KR	WB8FIW	W9RXJ
W7HUY	DL2RUG	EI7GY	W8BI	WC2C	WB2P
WD9FLI	DL4FDM	EI8IU	W8VK	WF4W	WN1M
WN7J	DL5MX	F4DSE	W9BB	WJ1B	YO3HOT
YE6YE	G0MFO	F4WDL	WP4CQ	WQ5C	
ZS1C	G3YFE	G3PSM	WS4H	WV4V	114
	G3ZEM	G7SSE	ZL1ANH	WW0E	AA4H
119	G4CWD	HB9PUE	ZP5FGS		AD4XV
DS5ACV	GW0ANA	HL4GHT	ZP6VT	115	AK3E
HA8UT	HB9DLE	IK0XIH	ZS4JAN	AA5N	BA4TB
HB9DVO	HL3ERJ	IZ0GYP		AB0S	CT1ELF
HB9GWJ	I5CRL	JH8KFE	116	AC0B	HL3DE
JA0CVC	IT9IPQ	JJ2KDZ	4X1EL	AJ8B	IZ5GST
JA1DXR	JA2NNF	JL3DGI	E77S	CT1DOF	JA2LHG
JA7VEI	JG1WNO	JR1SLU	HK1X	DF8FT	JA3VUI
JM1GYQ	JJ1FXS	JR6GHN	HL5BMX	DH3KM	JA7MAD
JR2CFD	K1TU	K0MP	JA2DHG	DS5DNO	JE1LPZ
K0IIR	K3IZ	K0PC	JA3UNA	G0JJG	JK1MZT
K1FE	K5WE	K4AR	JA9IWR	I6DQE	JR1ATQ
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KB4CRT	K7UPJ	K4SX	JO1LVZ	JA1OVF	JR1VAY
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KV4AA	K8WHA	K5GM	K4IU	JA8GSN	K1QQ
LA4C	KB0V	K6CF	K7VS	JH1RVQ	K4TXJ
LZ2HM	KB1AWM	K8ZM	K9LCR	JH4VDP	K6GWN
N0ATQ	KB2XJ	KB8KIM	K9ZG	JK1SAI	K6PT
N0ODK	LY3BS	KE1IU	KC1ERO	K0IL	K8AO
N1DC	N1FOJ	KG6D	KU1T	K1HJC	KA1DJ
N2RR	N3MLV	KK9T	KU8X	K4MIH	KM3J
N3CW	N3RW	KM1H	LA2IR	K4MIJ	KX2S
N4JQQ	N9AZZ	KM4NS	N2SU	K5AX	LA4RT
N6OJ	NA5S	KM5G	N3ER	K5LY	LA4WJ
NA2R	OE3JAG	KS9R	N4HGZ	K8LBT	LA7QI
NK7Z	TA1L	KU4V	N4QVM	K9EXY	LA9XGA
SK6SJ	VA2IG	LX2PA	N6NBB	KB0EL	LU1FM
SM6NJK	VE3PNT	N0IW	N6VH	KC2WUF	MM0BQI
SV8QG	VR2PX	N8JK	NV4A	KE7PB	N2YBB
VA3HP	W3ACO	N8WXQ	OH1NSJ	KJ4EX	N6RJY
VE4JBB	W4SKW	NC8I	PA2R	KK0T	N8AID
VR2XMT	W5SJ	NL8F	SM1NJC	KK5OQ	N8KUS
W5UHQ	W6GM	NW2I	UA1OM	LT1F	N9NB
W6IS	W6WF	ON4AGX	VU2ABS	N0OP	NG4C
WA3YZD	WA3GM	PT2BW	W0ANZ	N6DHz	NR0T

ON6KE	WY7M	VE3GFN	KJ4YLO	JE3CHA	YB4IR
PP2FN	XE2MX	VE7NY	N1KM	JF1KKV	YV5LI
PV8DX	YB0EIN	VK7ZE	N2FY	JH8FIH	
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W7BV	YV4DYJ	W1RG	NC6K	JM1GAW	4Z4KX
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W8UMA	112	W4JVN	NJ1H	JR0QFA	AA4ZK
WD1M	7N4OBV	W4UAT	NR5R	JR1RCQ	AA8BN
WG0G	AA3K	W5FPT	OE1JIS	JR2PZX	AF8C
WN6K	AA7UN	W5MJ	RV3GW	K0HP	AJ9K
WR2V	AA9WO	W5TFV	UA6MA	K1LZ	CT1CQK
XE1EE	AC9O	W6CN	W1HEO	K2GLS	DL1TPY
	AD1S	W9LYN	W3WH	K3EE	DL2RTL
113	AD4YQ	WB4CTX	W5WI	K4AFE	DL9QJ
6K5AQY	DF2WF	WB4FNH	W6IHA	K4DET	EA3BL
A92IO	DF5CD	WX4TM	W6ZPL	K7JI	EA3GCT
AC9X	DJ7JC	YU1GM	W7AM	K9AQ	F4GVO
AK1P	DL8DYL	ZS6NK	W8QWI	K9GY	G4EHT
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EA5HM	HK4EB	111	W9KX	KB2RA	HB9DRS
EA8TZ	IK0UTM	8P6SH	W9MMZ	KB4FXE	IK0XKP
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HB9HHH	JA9RT	AC0X	WA6URY	KB5GT	JA6JYM
IZ0FUW	K0PX	AI1W	WA7HQD	KI0I	JA9IFF
JA2MNB	K0UBR	AI4WW	WD9IOK	KK4TK	JF6AKS
JA4JSV	K1KOB	DK9WZ	WE2L	KM5VI	JI4HKA
JH3GRO	K2DW	DL1DH	WF2Y	KS0Y	JI5RPT
K0HD	K4NTO	EA2AGV	WO2Q	LA4JGA	K0MFI
K0XM	K4ULA	EA4EJP	WZ1Q	N2KW	K1RY
K2SD	K5VR	EI1DG	ZP9MCE	N4ANV	K4BNF
K2TG	K6EGW	EU1TT		N4CO	K4RDU
K6OJ	K6LD	F4DVO	110	N5RN	K5VG
K6ZP	K6MKF	HB9LAK	AD8NQ	NU0Q	K6JJ
K8SM	K7DS	HC1HN	AE4M	NW6V	K7CU
KC2SST	K7SX	I2QMU	DF1JM	OZ9U	K7IA
KW1DX	K8LE	IC8SQS	DL2AMD	R0QA	KC5LT
N1ZJ	K9UVK	IK2PZC	DL4IW	R6AZ	KD4W
N6RC	KD9ZR	JA3HBF	DL8XDA	SM0CXU	KP4AH
N8RF	KM4HQE	JA3QOS	DM3XRF	SV8RX	N1UZ
N9RE	KP3R	JA9FO	DS4CNB	TF1A	N9BVA
NJ0F	KR4DA	JE1GWO	F5NNN	VE2GHZ	ND1T
ON6LY	LU3XX	JH8GEU	G3WXX	VE3EDY	NN4RR
ON7BJ	N1BB	K0RW	HB9AGO	VE3YV	NR3Y
VE7BZ	N3NO	K1VMI	IU8IYE	W0QL	NS4X
W4CC	N4WOT	K1XE	IZ0GKB	W0VM	NX3A
W5RDW	N5OP	K3GW	IZ8EKL	W3KN	OZ6PI
W8AEF	NN2D	K3HW	JA0JPD	W3SB	R2ARR
W8PE	OZ7QB	K6DJ	JA0UMV	W4GF	SV1XV
WA1EHK	PY6TS	K8CCV	JA1EMK	W5SUM	SV3EXP
WA2AOG	R3BB	K9ARZ	JA1KZP	WB8EKG	TA6N
WB9MSM	R7NA	KA4H	JA2KTP	WQ5T	TF3JB
WK1Q	SP1NEN	KB2HK	JA4HXF	WY4I	VK2DAG
WW5L	VA7ZT	KI7M	JA7GAP	XE1L	W1KDA

W1RH	KD4RH	JA1ASO	WA9IVH	M0RTP	EI9FVB
W4DWS	KD4SN	JA1CJO	WB9UQE	N0MR	F8GB
W5XU	KE4KMG	JA3GAK	WF8R	N4LB	HB9CA
W6EKR	KE9XN	JA7XRO	WM4AA	N4WMB	IK0WMJ
W7XE	KX5V	JH1AQN	WY9V	N8TFD	IK2DJV
W8EOG	LU4FW	JH1XFR	YB0WWL	NA7RH	IZ5IMB
W9KM	MM1PTT	JM7TKK	YO5OEF	NK7L	JA6MWF
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WI7N	NN7A	K6AHG	DM3CW	RV6ARZ	K4RM
WY7FD	NT6AA	K8POM	EA2CLU	SA0AQT	K4VMT
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	PJ2HB	K9AAN	EI4DQ	W0TF	K6EGF
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AC7ZG	VU2OT	KM2O	HB9HFM	W3DIY	KB8ZUN
AE4VJ	W0YDB	KM4FI	HC4L	W4LZW	KE7UL
CO7RG	W2GHD	KP4N	HG6IA	W4OEP	KE8G
DH4RL	W2ZK	KR9A	HL1XP	W5GML	KJ6YK
DJ5EY	W4EW	N2RD	HL4CBX	W5PD	KL7XO
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F5UJK	W4WNT	N5PO	JF1CZQ	WA6HBR	KR4U
G0KHO	W8LYJ	N5TF	JH8DEH	WB8RFB	LU9DO
G3VXJ	W8ZR	N6ER	K0CF	WD3P	LX1EL
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I7PXV	WU4B	N7VPN	K0GK	WX0Z	N1XL
JA0DBQ	WY2E	ND9M	K0HQW	XE1V	N2PL
JA1SZN	XE1OX	NQ2O	K1EP	YB0JH	N3AS
JA2CPD		NQ4A	K2JK	YC0LOW	N3ZA
JA2VHO	107	OH3FVP	K4GZ	YO3NL	N4FN
JA4CZM	AD5MD	OZ2TF	K4RP	ZL1BBW	N5OGP
JA5OP	AI9U	SM3JLA	K5MMH		N6DW
JG1LBN	AJ4IM	SP7QHR	K7CTV	105	N6VNI
JG2LGM	DK3TL	SP9IZV	K7PT	9L1JT	N7KDT
JJ7XTV	DL2KUA	SV2DSJ	K8CJY	AA4UJ	N7NM
JK7LXU	DL6ZNG	UR4CW	K8FB	AA4XR	N9AX
JR3QHJ	EA1AA	UR4IOR	K9SUH	AA5H	NF7D
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VY2RU	JR2PAU	AD0TR	N1KI	AA1DN	KV1M
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W3DAD	K4KFH	DL1ET	N4LS	AD5BV	N1EDN
W4CU	K5RKS	DL1SVA	N4ST	AD7XG	N1IN
W4RQ	K6JAD	DS4DBF	N5RA	CT1YH	N2MG
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WA8A	KF8AR	I6XGZ	RM4C	HC1HC	NZ3L
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WK1J	N3COB	JH2CYU	W3ATV	JJ2BLV	UN7BK
WO7V	N3STZ	JH5OTE	W4TJE	JO1MOS	UX4UM
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	N8PE	K1HDO	W6SA	K0ZM	VA7FC
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AF6O	ON6NG	K4MQL	W8KTH	K2MHE	VU2MB
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HA0EQ	W1TW	KC1XX	WB3HLH	K5GZR	W9LU
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DS2BGV	N6RVI	DL6ZBN	KC8YG	W2FS
EI3ISB	N8LIQ	DO2UDX	KE5MMT	W2NY
EI6GF	N9OK	EA2RY	KE8NOA	W2RL
EW2CR	NE5W	EA4D	KF9WV	W3EP*
F2AR	NK6O	EI5GSB	KG6KH	W4LEW
F6ARS	NZ3M	ES7GN	KI6PG	W4MIR
F8DHE	PA1NHZ	F1OBJ	KJ4UZU	W4UT
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G8GNI	UA3FT	GI0VJE	LA8W	W5WS
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HB9BNQ	UR3HC	HL4XM	N2JNE	W7NUW
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KJ4FZ	AA2T	K8ESQ	VA2GA	
KK4ODQ	AB4KJ	K8MRT	VA3VF	
KM4EX	AF8P	K8OS	VE2ACP	
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KZ1X	AK4N	KB2S	VR2IL	
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