

Results, 1989 IARU HF World Championship

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Contest Manager Contest Assistant

This year's IARU HF World Championship was held during the weekend of July 8-9, 1989. Dan, W7WA, finds that "summertime propagation makes this contest quite different from spring and fall contests." Even though the IARU HF World Championship may be quite different, good propagation was reported from all continents. KO9Y found, "The signals were strong with great openings throughout the night, even on the high bands." Hein, DL2OBF, had great fun and reports, "Wow! Nearly 700 QSOs in about 17 hours! All bands were open! Wait till next year, I will make 1000 QSOs." Even with all the good reports, 10 and 15 meters surfaced as the bands that produced the largest QSO totals. Multiop-station UQ0A claims, "We heard the US on 15 meters all 24 hours of the contest. There were nice pileups on 15 meters." IO4UFH conveyed, "Fantastic propagation to the US on 15 meters during the night!" WA2IUO was excited about "a great JA long-path opening on 10 meters during Sunday morning."

Contesting has the ability to draw casual operators into the main stream of the contest. Like many a casual operator, KC8WR relates, "I started out just giving other stations a few QSO points." Then the "contest bug" bit and Michael started going full bore and had a ball! His only resentments were that "if I had known the 'contest bug' would bite so hard, I would have taken a nap and operated the entire contest."

Activity increased for the 1989 contest with Box AAA receiving a total of 1477 logs. The CW-only entry category remains the most popular, with the phone-only entry category as the next favorite, followed by mixed-mode and multioperator.

Fourteen IARU member-society HQ stations submitted their logs. HG89HQ set a new record with 10 million points for first place. Second-place Y61HQ scored 8 meg followed by LZ7A with 6 meg. Thanks to all the HQ stations that participated and gave out those extra multipliers.

The entire top ten in the world mixed-mode category scored over a million points as opposed to only the top six places in 1988. Gyozo, HA0MM, tried the mixed-mode category this year and finished on top, scoring 1.9 million points. 5H3TW (K3TW, op) finished second with 1.46 meg, with OK1RI close at his heels with 1.41 meg for a respectable third place. Rich, K1CC, took top state-side honors and finished sixth worldwide, scoring 1.2 meg. Seventh-place worldwide and

second-place W/VE went to veteran K3ZO, with 1.1 meg.

ZP0Y (ZP5JCY, op) scored over 2 million points to take first-place in the world phone-only category. C40A (5B4MF, op) finished in second place scoring 1.6 meg, and RB5MT finished third with 1.4 meg. Dan, W7WA, mustered 1.2 meg to finish in first place on W/VE phone-only and fifth place worldwide. Jack, W1WEF, finished second among W/VEs and sixth worldwide with 1.0 meg.

UW0LT moved up the ladder from sixth place in 1988 to win first-place worldwide CW, scoring 1.2-million points. RL7AB racked up 1.1 meg for a strong second-place finish. Dan, K1TO, mustered 1.0 meg for third-place worldwide and first-place W/VE. Jeff, KR0Y, stayed at home this year and secured fourth-place worldwide and second-place W/VE with close to 1.0 meg.

In the multioperator category, the top four scores were all from the USSR and were well over 2-million points each. Contest team, UC1OWA edged out rival RB8M for the top worldwide honors with RQ7W finishing third in the multioperator category. K6TMB moved up from sixth-place W/VE last year to finish

first among W/VE multiop entries. N5AN finished second for W/VE and N8CXX third.

This summertime contest provides plenty of activity from around the world and with the 24-hour format, you still have time left over to spend with the family. If you haven't tried it, give the next one a whirl and see how you stack up against the worldwide competition. See you in the fifth IARU HF World Championship on the weekend of July 14-15, 1990.



Spyros, C40A (5B4MF, op), finished second-place world phone-only from Cyprus.



Alfredo, CU2BR, pictured with his dog, operated mixed mode from the Azores.



Sergio, IK4AUY, finished first-place phone in Italy.

Top World Scores

Mixed

Mixed		CW	
Call	Score	Call	Score
HA0MM	1,928,690	UW0LT	1,253,212
5H3TW	1,464,672	RL7AB	1,105,247
(K3TW,op)		K1TO	1,093,652
OK1RI	1,416,012	KR0Y	998,880
RA8JX	1,281,852	W2GD	945,496
UA1DZ	1,259,280	I2VXJ	865,985
K1CC	1,203,210	WB2Q	848,817
K3ZO	1,180,155	CR5NH	827,480
RB5IM	1,177,405	(CT1BOH,op)	
RZ9UA	1,102,188	VSBG	821,500
HA5PP	1,091,270	DF0RX	807,402
Phone		(K5ZD,op)	
ZP0Y	2,001,846	Multioperator	
(ZP5JCY,op)		Call	Score
C40A	1,618,871	UC1OWA	2,858,612
(5B4MF,op)		RB8M	2,774,778
RB5MT	1,473,342	RQ7W	2,537,280
RB5FF	1,311,393	UB3IWA	2,319,648
W7WA	1,252,672	UT4UXW	1,724,020
W1WEF	1,058,688	UP1BWW	1,550,855
EA4KK	862,240	IO4UFH	1,465,280
YU3HR	811,008	RL8PYL	1,438,896
RB5DX	810,968	R0C	1,411,580
YU2W	772,507	(YT2FI,op)	

SOAPBOX

Great contest! This was my first try at this one. I still enjoy contesting with no gadgets, computers and etc. I hope to get more than ten hours in the contest next year (W7HS). The IARU contest seems to be popular everywhere except in the US (W7WA). Sure was a nice European opening on 15 meters! I enjoy the 24-hour format. See you with more activity next year (N0AX/7). Wow! Conditions were superb! I had a great time. Thanks to K8CC for the use of his logging program (KR0Y). All my contacts were made using attic dipoles (NZ5V). I had a good time missing out on my sleep! This is the first time that I have entered a contest. The bands were not very cooperative in opening worldwide. Twenty meters was really dead to the west with no ZLs and only one VK (W0VKP). FB contest! I like the 24-hour format (WFSE). It was a lot of fun and was my first 24-hour contest. I drank lots of coffee. The only casualty was my preamp. It got zapped with RF around 2 AM. See you next year (KA1J). Good contest! I was glad that I stayed home for the weekend (W1WEF). Good conditions and interesting DX! I wish that I had more time to operate in the contest. Wait till next year (KB1BE). I thought that I was in the Everglades. There were so many "alligators" about! (KT2D). Good activity, beautiful weather, tough choice, I went 50/50 outside and on the air (K3WW). Thanks for sponsoring the contest. I would like to see it moved to lower QRM months (K4PQL). Incredible conditions to Japan from central Florida all night! Thanks to the JAs for standing by during checks for other parts of the world (AB4CQ). This was my first CW contest in 10 years. I had a great time! I missed some operating time due to a receiver failure. Murphy was born in my house! (W18W). It was basically a three-band contest here. I have no antennas for 160, 80 and 10 meters. I didn't miss them; 15 meters was open for all 24 hours. Enjoyed it! (N9AG). Last year, we went 57 days without rain. Guess which weekend the drought broke. I was off the air for four hours with thunderstorms! Had a great time anyway (KO9Q). Excellent contest but what happened to 10 meters? Why did I fall asleep two hours before the end? (XE1THR). Conditions were not good. Fifteen meters was the best band. There was a great deal of aurora activity to the north (LA5QFA). Ten meters: poor conditions; fifteen meters: excellent conditions; twenty meters: in-between (LA2AD). I couldn't believe the pileups on 15 meters! Super conditions and great fun! (OH6NIO). A national ham meeting and no beam for 20 meters resulted in limited operating time in the contest. Super propagation helped me to make nearly 1400 QSOs in about 12 hours! (OH1AF). Thanks for FB contest. GL and 73 (OH7NW). Thanks for the nice test (OH3OJ). I worked eight new prefixes! (OZTAX). GL! DX! 73! (UA1OAM). Very enjoyable as it was my first contest. I wasn't

IARU Headquarters Stations

HG89HQ (HA1s VQ, WD, YA, YU, HA3s NX, UZ, HA4s FF, XH, XT, ZD, ZZ, HA5s BNL, DW, FM, GF, IW, LN, MK, ML, OM, RY, WA, WE, YLN, HA6s ND, NF, NQ, NY, ON, OQ, PX, HA7s JAO, UG, HA8s FM, IE, JP, JV, LKE, LLK, PG, RF, HA0DU, HA8-806,ops)	10,061,280-	10457-	272
Y61HQ (Y21s TL, YK, Y23EK, Y24UK, Y25ZO, Y27FN, Y32s JK, VK, Y37XJ, Y38YK, Y42s FK, GK, LK, MK, OK, Y58WA, ops)	8,024,109-	9515-	237
LZ7A (LZ1s BV, CL, MG, MK, NE, NQ, 1A245, 1F109, 194, 313, 1E289, LZ2s AB, AO, JE, KK, MG, QV, RS, UU, VU, ops)	6,891,424-	8183-	248
CT1REP (CT1s AHU, BOP, DIZ, ops)	1,269,492-	2429-	127
4U1ITU (KU2C, op)	863,330-	1941-	130

JA3RL (JA1VYI, JA3s MAU, NDM, JG2ULB, JG3s KUT, RPL, JI3s ERV, OYM, JJ3FZS, JR4ISF, JP3LKR, ops)	751,961-	1999-	119
IR2MQP (I2MQP, op)	517,041-	1443-	87
ON4UBA (ON4XG, ON5WL, ON6JG, ops)	364,670-	1108-	102
W1AW (KJ4KB, op)	171,996-	760-	66
LG5LG (LA9VDA, op)	166,740-	634-	70
SQ0DXC (SP9s ADV, BRP, JPA, ops)	100,200-	597-	60
HK3LR (HK3s BED, MLN, NTI, ops)	77,658-	381-	42
EI0RTS (EI2CL, op)	9,680-	70-	40
OK5MVT/P (OK1s DVK, FWW, ops)	1,800-	36-	12

Top W/VE Scores

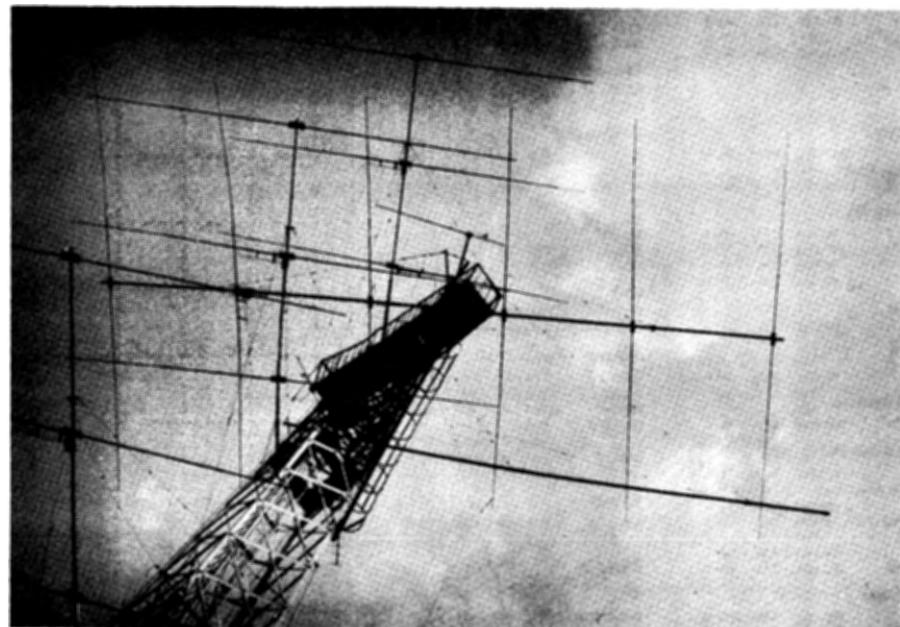
Mixed

Call	Score	Call	Score
K1CC	1,203,210	K1TO	1,093,652
K3ZO	1,180,155	KR0Y	998,880
AA4NC	903,638	W2GD	945,496
K2SD	710,565	WB2Q	848,817
N9AG	641,684	K8CC	762,723
WZ4F	629,481	K6LL	687,401
K45W	511,438	KB0G	671,957
KV0I	381,988	AD50	666,115
WE7B	365,120	N0BSH/9	657,340
WA6FGV	305,600	K2SX/1	599,424

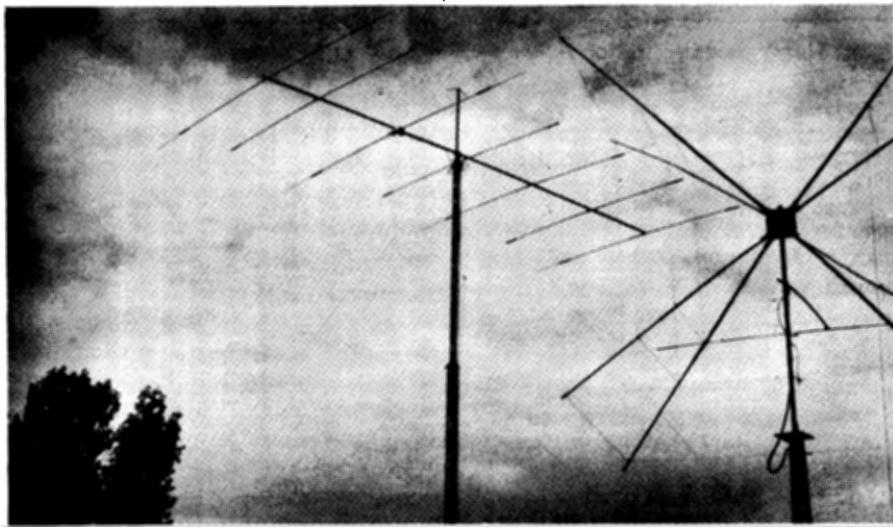
Multioperator

Call	Score	Call	Score
W7WA	1,252,672	K6TMB	1,106,930
W1WEF	1,058,688	N5AN	834,392
KA1ION	687,899	N8CXX	814,212
WB8IBM	582,360	N5EA	781,621
(NZ4K,op)		K2WI	643,734
WB2K	412,335	N0BNG	612,846
VE3CPA	375,597	K9SD	610,743
W2OW	363,092	AB4CQ	482,996
(N2HR,op)		WD8LLD	430,464
K5XI	342,693	KD9ST	354,256
K4SWSS	334,044	K6SVL	331,905

able to operate all the time as a new baby daughter played havoc with the household that evening (EI6GF). What an excellent contest! CW operation was down a bit due to the chief CW operator twisting his ankle while chasing a wild goat away from the mast guy ropes at four in the morning! Luckily he can send with the other foot but not as fast! See you next year (EJ1D). I was only able to operate for half of the contest. I found 21 and 28 MHz quiet (GM4ZFE). No activity on the low bands! See you next year (ON6AH). A good contest, but a great deal of QRN (PA0IJM). Nice contest as usual (PA3EOB). The contest was fun. I did well for my poor rig and antenna. See you next year (DF1LX). This was my first time in this contest. It was very interesting (DF8WS). Good conditions with much QRM, but it was one of the best contests (DL8PC). It was great fun working in the contest. I would have loved to be QRV for 24 hours, but I had to work the weekend (HB9CSA). It was fun (HB9CVO). Thanks for the interesting contest. I hope for a better score next year (IK5IIU). Wonderful conditions, but a local thunderstorm didn't allow a good job on the low bands (I2VXJ). During the night, the propagation was beau-



A view of some of the antennas used by HQ-station HG89HQ.



Gyozo, HA0MM, finished first-place world mixed mode using these antennas.

tiful to the US (IN3ZNR). Next time, I will have a better 15-meter antenna. It was practically a single-band contest, and 15 meters is my worst band

(OK1RI). We had bad conditions and thunderstorms (SP9MRO). This was my first IARU contest. It was fun. I hope to do better next time (YO5BQ). Very

good contest! (YO2DFA). Extremely bad propagation! (RV6AF). Thanks for the nice contest (UA4LU). Thanks for FB contest (UA6LQ). Many thanks for the nice contest! It was my first championship (UA3RMN). Thanks for contest (UA3YAO). FB contest! (RV1AF). Sincere thanks for the fine contest. I hope to enter again next year (UA6EED). Thanks for the nice contest (UZ4CYJ). Thanks for the contest. The conditions were very good (RB5MT). This was my first time in the IARU championship. It is a very dynamic contest (RC2AZ). Great contest! Does anybody need zone 29? (UC2AB). Very FB conditions in Northern Europe (UQ2GD). Thanks for the nice contest QSOs (UQ2PP). FB contest (UR2RND). Thanks for the good contest (UA9CBO). I did not have good conditions! Hope they are better next year (UW9CP). Cheero! (R18BN). Thanks for the very nice contest (UL7MU). The conditions were very poor for this important contest especially on 28 and 14 MHz (CT1BWW). Nice contest (EA7AAW). Very, very tired! (JIUTP/1). Good conditions for 10 meters! (JA1AAT). This is my first time in the contest (JR1TFR). The conditions and activity were not very good on 10 meters (JE1CKA). I was amazed when K3ZO called me on 28 MHz at 0749Z! Great conditions on all bands including many long-path openings (5H3TW). This was my first time in the contest. See you next year (VK8XX). There seemed to be plenty of activity, just a pity some stations don't spend a little more time listening between their CQs! Good to see 10 meters coming to life (ZM2AGY). Thanks for the FB contest! Greetings from FJL (UA0BEZ/UA1O). Thanks for the nice contest. 73 from FJL (UA1OT).

Scores

Scores are listed by ITU zone and then by country within that zone. The line score indicates the call sign, final score, QSOs, multipliers and entry class. The entry class letters indicate: A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter.

Zone 1		San Francisco										Western Massachusetts										
Alaska		WB8SPRM	49,619-	227-	59-A	AASCV	10,360-	70-	37-B	KB0G	671,957-	1250-	127-C	KG1S	1,056-	34-	11-B					
NL7DU	200,664-	701-	72-B	WA8LLY/6	41,028-	175-	52-A	KB8EHR	2,028-	55-	12-B	N8FMR	30,033-	180-	47-C							
KIBOT	26,665-	145-	49-B	KM5G	305,804-	891-	78-C	NSSC	44,688-	260-	49-C											
WW8D	11,948-	100-	29-C	W5EJ	21,462-	110-	49-C					W8RXL	22,386-	132-	42-A							
K6LRN (+ NET)	14,208-	88-	37-D	KD6FW (+ KB8EKK)	111,186-	584-	62-D	W8HUQ	10,410-	89-	30-B	N8HBS	5,834-	63-	22-B							
				KG5VK	161,536-	714-	64-B	N8BNG (+ K8ET,KAB8JZV,YFN,K8GT,N8EOB,W8JEL)	612,846-	1480-	97-D											
				WA5KNC	8,988-	101-	28-C	N8MIS (+ N8OS)	79,820-	320-	65-D											
				N5AN (+ W5WMU)	834,392-	1790-	113-D															
Zone 2		Louisiana										Missouri										
Alberta		VE6DZ	34,055-	189-	49-A	K2SD	710,565-	1377-	127-A	NS8B	24,840-	120-	54-A	KG2GL	53,290-	53-	5-A					
		VE6BF	113,967-	409-	67-C	KG5V	161,536-	714-	64-B	WB8GFV	1,788-	40-	12-B	KC2OF	186,720-	602-	80-B					
				KD6FW (+ KB8EKK)	111,186-	584-	62-D	KA1J	130,451-	457-	73-C	N2FTR	944-	30-	8-B							
				N5AN (+ W5WMU)	834,392-	1790-	113-D	NI8C	30,192-	132-	51-C	WB2Q	848,817-	1705-	111-C							
Zone 3		Sacramento Valley										NYC—Long Island										
British Columbia		VE7EEE (VE7EB1,op)	182,720-	926-	48-B	N6WR	52,305-	253-	55-B	KV8I	381,988-	1076-	89-A	KD2TT	104,432-	450-	61-A					
				WA6AUE	298,980-	742-	90-C	WA8AU	89,856-	345-	72-A	WB2AMU	30,385-	153-	59-A							
				N5AN (+ W5WMU)	834,392-	1790-	113-D	N8HBS	24,840-	120-	54-A	K52G	20,090-	150-	35-B							
Zone 4		W7										W2										
Quebec		VE2WAT	7,140-	63-	30-C	Arizona	511,438-	1068-	113-A	WB8SYV	30,988-	257-	37-C	Eastern New York								
				W7TWL	39,500-	204-	50-A	KD5GD	57,702-	218-	59-B	KW1D	314,476-	677-	116-B							
				KA1FEF	5,590-	59-	26-A	WB8NSA	57,014-	261-	58-B	K3FNW	127,194-	365-	87-B							
				WR7E	45,297-	218-	63-B	KB5IQV	6,408-	256-	9-B	W2GD	945,496-	1528-	146-C							
				KB7CXI	34,800-	204-	50-B	KR8Y/5	338,028-	804-	102-C	W2HCA	35,904-	153-	64-C							
				WA7IIM	15,810-	112-	31-B	W5UDA	169,572-	512-	78-C	WA2ASQ	31,581-	234-	29-C							
				AD7T	45,954-	135-	74-C	NJ1V (+ WA4KBJ,N5e MTS,OOP)	163,371-	682-	71-D	KE2CGC (+ KB2s FYS,QGS,KO2K, N2JLW,WA2E,KB4CYC)	341,711-	949-	83-D							
Zone 5		North Texas										W3										
W6												W1										
												Connecticut										
												K1CC	1,203,210-	1910-	145-A	K2PS	22,200-	105-	40-A			
												KISSN (WB7EZQ,op)	151,620-	541-	76-A	KB2BF	208,215-	709-	63-B			
												KF9K	98,624-	402-	67-A	KC2TA	6,282-	115-	18-C			
												WB1WEF	1,058,688-	1823-	126-B	W5KI	552-	16-	12-C			
												KA1ION	687,898-	1454-	109-B	K2WI (+ N2NU,WA2UO)	643,734-	1201-	126-D			
Zone 6		Oklahoma										Western New York										
W6												W1A										
												Connecticut										
												K1CC	1,203,210-	1910-	145-A	K2PS	22,200-	105-	40-A			
												KISSN (WB7EZQ,op)	151,620-	541-	76-A	KB2BF	208,215-	709-	63-B			
												KF9K	98,624-	402-	67-A	KC2TA	6,282-	115-	18-C			
												WB1WEF	1,058,688-	1823-	126-B	W5KI	552-	16-	12-C			
												KA1ION	687,898-	1454-	109-B	K2WI (+ N2NU,WA2UO)	643,734-	1201-	126-D			
Zone 7		South Texas										W3										
Santa Barbara		WA8FGV	305,600-	1021-	80-A	NZ5V	43,017-	309-	39-A	WB2DND	100,492-	296-	74-A	Eastern Pennsylvania								
				WA8DOA	43,650-	213-	50-B	K5XI	342,693-	904-	101-B	KB2PRD	82,541-	413-	52-B							
				WA8YRX	360-	28-	6-B	KA5WSS	334,044-	888-	108-B	KQ1V	81,777-	105-	50-B							
				K6MJ	36,720-	148-	54-C	KB5HOE	66,456-	386-	52-B	KY1K	81,777-	105-	50-B							
				N6IP	26,132-	171-	47-A	AD5O	42,600-	222-	50-B	KY1K	81,777-	105-	50-B							
				WA8DOA	43,650-	213-	50-B	KG5U	478,170-	1068-	105-C	KY1K	81,777-	105-	50-B							
				WA8YRX	360-	28-	6-B	W5NR	21,294-	115-	42-C	KY1K	81,777-	105-	50-B							
				K6MJ	36,720-	148-	54-C	N5EA (+ K5RVK,W5ASP,WB5BIR, GW8ECO)	781,621-	1634-	113-D	KY1K	81,777-	105-	50-B							
Zone 8		Western Washington										W3										
Santa Clara Valley		N6IP	86,265-	281-	71-A	WA7XN	170,672-	611-	62-A	WB2DND	100,492-	296-	74-A	Eastern Pennsylvania								
		WA8GFIY (KJ6PQJ,op)	48,448-	211-	64-B	K7LED (WA7UVJ,op)	1,252,672-	1999-	148-B	WF5E	215,138-	774-	77-B	KB2PRD	82,541-	413-	52-B					
				WA8HFK	8,450-	100-	25-B	W7WA	1,252,672-	1999-	148-B	WB2DND	100,492-	296-	74-A							
				KA8ING	738-	26-	9-B	K7LED (WA7UVJ,op)	1,252,672-	1999-	148-B	WF5E	215,138-	774-	77-B							
				N6TV	418,453-	965-	101-C	W8AUX7	78,147-	323-	57-C	WB2DND	100,492-	296-	74-A							
				WD6ERA	257,655-	701-	69-C	W7QN	40,119-	195-	43-C	WB2DND	100,492-	296-	74-A							
Zone 9		Wyoming										W3										
San Diego		WA6GFIY (KJ6PQJ,op)	48,448-	211-	64-B	WB2DND	100,492-	296-	74-A	WB1WZ	34,936-	206-	44-B	Eastern Pennsylvania								
		WA8HFK	8,450-	100-	25-B	WB2DND	100,492-	296-	74-A	WB1WZ	34,936-	206-	44-B	KB2PRD	82,541-	413-	52-B					
		KA8ING	738-	26-	9-B	WB2DND	100,492-	296-	74-A	WB1WZ	34,936-	206-	44-B	KQ1V	81,777-	105-	50-B					
		N6TV	418,453-	965-	101-C	WB2DND	100,492-	296-	74-A	WB1WZ	34,936-	206-	44-B	KY1K	81,777-	105-	50-B					

Maryland-DC	K9MMS 117,850- 424- 65- C K9SD (KC8AL,W9NNE,WB9BWB,K9FU, KA8GGI,KW8A,N9DF,W9HIBH,ope) 610,743- 109- 127- D	Norway	LA5QFA 191,982- 580- 82- B LA1XDA 69,840- 409- 45- B LA8DY 57,156- 204- 77- B LA2AD 15,855- 13- 35- B LA8ZFA 410- 11- 10- B LA8FC 136,338- 368- 93- C LA9HFA 91,336- 437- 56- C LA9DBA 19,684- 332- 19- C	France	F80/FE1JDG 38,184- 306- 51- A F89/F1LBL 271,062- 694- 99- B F89/F6BV 200,777- 585- 83- B F8WG 91,980- 388- 62- B F8DRP 19,035- 191- 27- B F9DK 27,980- 177- 40- C FF1OJX (FD1s MFL,MLJ,MNC,ope) 95,884- 509- 46- D	IKA8FWI 187,740- 633- 84- C IKA8ADY 14,364- 124- 36- C IKA8FUX 9,261- 101- 27- C IO4UFH (+ I4JMY) 1,465,280- 2106- 180- D							
Western Pennsylvania	KASHIE 261,261- 633- 99- C K3UA 133,704- 459- 72- C	Indiana	KB8C 227,388- 683- 84- B	Finland	OH6NIO 715,680- 1625- 105- A OH1AF 551,900- 1352- 100- A OH6NEV 131,600- 449- 79- A OH7NW 28,596- 188- 49- A OH3OJ 90,080- 642- 38- B OH2PM 768,430- 1503- 130- C OH2YL 7,119- 75- 21- C	France	IN3ZNR (+ IN3e QBR,SU)	IKA8FWI 187,740- 633- 84- C IKA8ADY 14,364- 124- 36- C IKA8FUX 9,261- 101- 27- C IO4UFH (+ I4JMY) 1,465,280- 2106- 180- D					
W4						IN3ZNR (+ IN3e QBR,SU)	IKA8FWI 187,740- 633- 84- C IKA8ADY 14,364- 124- 36- C IKA8FUX 9,261- 101- 27- C IO4UFH (+ I4JMY) 1,465,280- 2106- 180- D						
Alabama	WZ4F 629,481- 1497- 107- A K4NNQ 65,946- 314- 58- C AA4XM 11,253- 87- 31- C	Wisconsin	KD9ST (+ KA9s SQR,SQS,SC7) 354,256- 921- 112- D KA9YMW (+ KA9YMW) 49,886- 250- 54- D	Aland Island	OH9/OZ1JVN 108,518- 546- 58- C	England	G8/AABMC 84,616- 347- 56- A G3ESF 182,942- 504- 97- C G3TXF 72,984- 286- 68- C	Sardinia	IS&OO 49,533- 367- 33- B IS8OMH 49,444- 454- 47- C				
Georgia	ABALX 22,704- 134- 43- A KD9GC 52,155- 395- 61- B WA4YQY 11,840- 84- 37- C	Zone 9	VE	OH6NIO 715,680- 1625- 105- A OH1AF 551,900- 1352- 100- A OH6NEV 131,600- 449- 79- A OH7NW 28,596- 188- 49- A OH3OJ 90,080- 642- 38- B OH2PM 768,430- 1503- 130- C OH2YL 7,119- 75- 21- C	England	G8/AABMC 84,616- 347- 56- A G3ESF 182,942- 504- 97- C G3TXF 72,984- 286- 68- C	Sardinia	IS&OO 49,533- 367- 33- B IS8OMH 49,444- 454- 47- C					
Kentucky	WA4GMO 69,840- 336- 60- A KB4WQO 44,556- 218- 47- B N4XM 206,880- 611- 85- C	Maritime-Newfoundland	VO2AC 23,000- 218- 25- A VE1CBF 45,000- 210- 50- B KJ9HT/V02 14,476- 125- 28- B VO1AW 36,873- 160- 51- C	Denmark	OZ1CTK 122,724- 372- 84- A OZ2EV 135,924- 349- 94- B OZ1LTB 113,520- 618- 40- B OZ2ACL 100,023- 349- 77- B OZ7AX 12,840- 104- 30- B OZ1FAOA 594- 18- 9- C	England	G8/AABMC 84,616- 347- 56- A G3ESF 182,942- 504- 97- C G3TXF 72,984- 286- 68- C	Bulgaria	LZ2KSQ 978,692- 1773- 143- A LZ1RN 6,380- 149- 20- A LZ1TA 283,494- 834- 111- C LZ1LG 43,686- 47- 28- C LZ1MC 36,896- 216- 44- C LZ1MG 37,843- 356- 41- C LZ1EP 3,570- 45- 35- C LZ1KV (LZ1s TS,VB,ope)	LZ2KSQ 978,692- 1773- 143- A LZ1RN 6,380- 149- 20- A LZ1TA 283,494- 834- 111- C LZ1LG 43,686- 47- 28- C LZ1MC 36,896- 216- 44- C LZ1MG 37,843- 356- 41- C LZ1EP 3,570- 45- 35- C LZ1KV (LZ1s TS,VB,ope)			
North Carolina	AA4NC 903,638- 1673- 131- A KA4RVs 105,124- 347- 82- B KJ4TI 67,600- 260- 65- B N4UMI 7,854- 90- 21- B WA4WUW 7,300- 82- 25- B K4PQL 189,176- 510- 84- C N4USM 44,686- 266- 49- C N4UOH 18,686- 143- 38- C	Zone 10	Mexico	VE	OZ1CTK 122,724- 372- 84- A OZ2EV 135,924- 349- 94- B OZ1LTB 113,520- 618- 40- B OZ2ACL 100,023- 349- 77- B OZ7AX 12,840- 104- 30- B OZ1FAOA 594- 18- 9- C	England	G8/AABMC 84,616- 347- 56- A G3ESF 182,942- 504- 97- C G3TXF 72,984- 286- 68- C	Bulgaria	LZ2KSQ 978,692- 1773- 143- A LZ1RN 6,380- 149- 20- A LZ1TA 283,494- 834- 111- C LZ1LG 43,686- 47- 28- C LZ1MC 36,896- 216- 44- C LZ1MG 37,843- 356- 41- C LZ1EP 3,570- 45- 35- C LZ1KV (LZ1s TS,VB,ope)				
Northern Florida	KC4CSD 68,325- 282- 75- A WB4DW 66,674- 263- 74- A WA4NKA 95,220- 406- 89- B WC4E 421,170- 1078- 101- C AB4CQ (+ KW4T) 462,996- 1434- 81- D	Dominican Republic	JP1DMX/H18 151,860- 1212- 87- C H19UD (H13e AMF,IMP,LFE,LRR,ope) 20,040- 501- 40- D	Sweden	SM4BTF 25,071- 172- 61- B SM7HSP 9,022- 158- 26- B SM8CCCE 95,915- 408- 62- C SM8/W6FA 91,377- 355- 71- C SM5RE 44,480- 298- 64- C SM7LAZ/6 15,886- 180- 42- C SM4SWF 13,940- 175- 34- C SM9BDS 10,200- 76- 34- C SM8CGO 7,080- 67- 24- C SM9MNU 6,021- 47- 27- C SM4CJY 1,628- 32- 11- C	England	G8/AABMC 84,616- 347- 56- A G3ESF 182,942- 504- 97- C G3TXF 72,984- 286- 68- C	Czechoslovakia	OK1RI 1,416,012- 2121- 156- A OK2RU 429,133- 995- 127- A OK3EA 190,232- 620- 79- A OK2KR 96,712- 280- 88- A OK1KZ 79,094- 332- 71- A OK3CDZ 72,261- 357- 63- A OK2PGT 44,517- 223- 57- A OK1FGS 5,880- 59- 24- A OK2KVI/P 1,562- 34- 11- A OK1DOW 216,000- 624- 100- B OK1FU 75,406- 334- 74- B OK2BQL 64,881- 223- 81- B OK1DKS 32,886- 177- 54- B OK1BB 19,740- 149- 35- B OK3CQG 3,435- 83- 15- B OK2PCF 204,525- 597- 101- C OK2PD 196,994- 584- 86- C OK3YCA 169,818- 488- 93- C OK3GB 155,420- 407- 95- C OK1MNV 111,300- 367- 75- C OK3CEL 93,104- 272- 92- C OK1TW 90,060- 277- 79- C OK1FKW 75,144- 312- 82- C OK3FON 72,917- 233- 79- C OK3CVF 70,586- 352- 58- C	OK1RI 1,416,012- 2121- 156- A OK2RU 429,133- 995- 127- A OK3EA 190,232- 620- 79- A OK2KR 96,712- 280- 88- A OK1KZ 79,094- 332- 71- A OK3CDZ 72,261- 357- 63- A OK2PGT 44,517- 223- 57- A OK1FGS 5,880- 59- 24- A OK2KVI/P 1,562- 34- 11- A OK1DOW 216,000- 624- 100- B OK1FU 75,406- 334- 74- B OK2BQL 64,881- 223- 81- B OK1DKS 32,886- 177- 54- B OK1BB 19,740- 149- 35- B OK3CQG 3,435- 83- 15- B OK2PCF 204,525- 597- 101- C OK2PD 196,994- 584- 86- C OK3YCA 169,818- 488- 93- C OK3GB 155,420- 407- 95- C OK1MNV 111,300- 367- 75- C OK3CEL 93,104- 272- 92- C OK1TW 90,060- 277- 79- C OK1FKW 75,144- 312- 82- C OK3FON 72,917- 233- 79- C OK3CVF 70,586- 352- 58- C			
South Carolina	WD4BHM 17,612- 144- 37- B WD8AMV 4,806- 122- 12- C	Guantanamo Bay	J79T (W5EW,WCSN,ope) 461,137- 1757- 89- D	Zone 11	European Russian RSFSR	PA0JUM 21,312- 165- 37- A PA3EOB 6,684- 104- 26- A PA8LOU 30,848- 240- 32- C PA8UV 12,120- 108- 30- C PA3BTH 6,275- 65- 25- C PA3DKX 3,190- 35- 22- C PA4DEC (PA3s ATA,AWW,CZW,PA8BOE, PA4G/YSF,PA1JLEEE,ope)	France	PA0JUM 21,312- 165- 37- A PA3EQV (+ PA3s DZN,ENM) 406,116- 987- 116- D PA8KHS (+ PA8EN,PE1LBX) 106,524- 430- 66- D	Austria	OE1BKW 15,004- 93- 44- B OE9SLH 21,800- 114- 50- C			
Southern Florida	KO4J 106,476- 540- 57- A N4THW 307,154- 1251- 59- A WK4PF 28,215- 157- 45- B WD4AHZ 243,426- 728- 87- C W4YN 3,497- 59- 13- C	Puerto Rico	St Maarten, Saba, St Eustatius	Zone 12	Costa Rica	RA1DZ 1,250,280- 1970- 185- A RA1AA 248,915- 721- 105- B UA1ZGH 254,095- 727- 99- B UA1NDI 68,600- 374- 50- B U1BA 19,581- 190- 31- B UA1OKR 107,212- 538- 49- C UA1OLL 87,672- 314- 78- C UA1ZFT 63,745- 286- 61- C UA1NDR 42,674- 345- 38- C UA1OAM 38,640- 280- 40- C UA1ZGT 34,938- 293- 31- C UZ1AWO (RV1AW,ope)	England	PA0JUM 21,312- 165- 37- A PA3EQV (+ PA3s DZN,ENM) 406,116- 987- 116- D PA8KHS (+ PA8EN,PE1LBX) 106,524- 430- 66- D	Czechoslovakia	OK1RI 1,416,012- 2121- 156- A OK2RU 429,133- 995- 127- A OK3EA 190,232- 620- 79- A OK2KR 96,712- 280- 88- A OK1KZ 79,094- 332- 71- A OK3CDZ 72,261- 357- 63- A OK2PGT 44,517- 223- 57- A OK1FGS 5,880- 59- 24- A OK2KVI/P 1,562- 34- 11- A OK1DOW 216,000- 624- 100- B OK1FU 75,406- 334- 74- B OK2BQL 64,881- 223- 81- B OK1DKS 32,886- 177- 54- B OK1BB 19,740- 149- 35- B OK3CQG 3,435- 83- 15- B OK2PCF 204,525- 597- 101- C OK2PD 196,994- 584- 86- C OK3YCA 169,818- 488- 93- C OK3GB 155,420- 407- 95- C OK1MNV 111,300- 367- 75- C OK3CEL 93,104- 272- 92- C OK1TW 90,060- 277- 79- C OK1FKW 75,144- 312- 82- C OK3FON 72,917- 233- 79- C OK3CVF 70,586- 352- 58- C	OK1RI 1,416,012- 2121- 156- A OK2RU 429,133- 995- 127- A OK3EA 190,232- 620- 79- A OK2KR 96,712- 280- 88- A OK1KZ 79,094- 332- 71- A OK3CDZ 72,261- 357- 63- A OK2PGT 44,517- 223- 57- A OK1FGS 5,880- 59- 24- A OK2KVI/P 1,562- 34- 11- A OK1DOW 216,000- 624- 100- B OK1FU 75,406- 334- 74- B OK2BQL 64,881- 223- 81- B OK1DKS 32,886- 177- 54- B OK1BB 19,740- 149- 35- B OK3CQG 3,435- 83- 15- B OK2PCF 204,525- 597- 101- C OK2PD 196,994- 584- 86- C OK3YCA 169,818- 488- 93- C OK3GB 155,420- 407- 95- C OK1MNV 111,300- 367- 75- C OK3CEL 93,104- 272- 92- C OK1TW 90,060- 277- 79- C OK1FKW 75,144- 312- 82- C OK3FON 72,917- 233- 79- C OK3CVF 70,586- 352- 58- C		
Tennessee	KS2X 58,355- 329- 55- B AA4DO 255,255- 754- 85- C N4IR 73,536- 347- 48- C	Virginia	HC1OT 819,256- 1421- 88- B	Colombia	RA1DZ 1,250,280- 1970- 185- A RA1AA 248,915- 721- 105- B UA1ZGH 254,095- 727- 99- B UA1NDI 68,600- 374- 50- B U1BA 19,581- 190- 31- B UA1OKR 107,212- 538- 49- C UA1OLL 87,672- 314- 78- C UA1ZFT 63,745- 286- 61- C UA1NDR 42,674- 345- 38- C UA1OAM 38,640- 280- 40- C UA1ZGT 34,938- 293- 31- C UZ1AWO (RV1AW,ope)	England	PA0JUM 21,312- 165- 37- A PA3EQV (+ PA3s DZN,ENM) 406,116- 987- 116- D PA8KHS (+ PA8EN,PE1LBX) 106,524- 430- 66- D	Poland	OK1KZQ (+ OK1s ADY,BY,DLE,DXS, V10,ope) 806,811- 1548- 133- D OK3RKA (- ope)	OK1KZQ (+ OK1s ADY,BY,DLE,DXS, V10,ope) 806,811- 1548- 133- D OK3RKA (- ope)			
Virginia	W4MM 127,571- 374- 83- B W4OMS 2,032- 35- 16- B K4PPF 56,980- 270- 55- C W4YE 20,586- 118- 38- C K8ETM 7,824- 76- 24- C WA9B (KA4WZR,W4Ae OAE,ZBF) 64,476- 296- 54- D	Zone 12	Ecuador	Costa Rica	RA1DZ 1,250,280- 1970- 185- A RA1AA 248,915- 721- 105- B UA1ZGH 254,095- 727- 99- B UA1NDI 68,600- 374- 50- B U1BA 19,581- 190- 31- B UA1OKR 107,212- 538- 49- C UA1OLL 87,672- 314- 78- C UA1ZFT 63,745- 286- 61- C UA1NDR 42,674- 345- 38- C UA1OAM 38,640- 280- 40- C UA1ZGT 34,938- 293- 31- C UZ1AWO (RV1AW,ope)	England	PA0JUM 21,312- 165- 37- A PA3EQV (+ PA3s DZN,ENM) 406,116- 987- 116- D PA8KHS (+ PA8EN,PE1LBX) 106,524- 430- 66- D	Poland	OK1KZQ (+ OK1s ADY,BY,DLE,DXS, V10,ope) 806,811- 1548- 133- D OK3RKA (- ope)	OK1KZQ (+ OK1s ADY,BY,DLE,DXS, V10,ope) 806,811- 1548- 133- D OK3RKA (- ope)			
Mississippi	KB6ECK 4,788- 102- 18- B	Zone 14	Argentina	LV3EF (LU6FAZ,ope)	Zone 21	Asiatic RSFSR	RA9JX 1,281,852- 2064- 132- A UA9LU 316,498- 811- 91- C	Hungary	HA9MM 1,926,690- 2636- 190- A HA5PP 1,091,270- 1959- 145- A HA5HH 219,414- 706- 87- A HA1SL 103,812- 356- 82- A HA3HU 53,340- 451- 35- A HA8XX 313,992- 803- 98- B HA1XR 632,125- 1409- 125- C HA8OI 436,988- 1086- 107- C HA6NL 362,178- 1026- 114- C HA7UI 324,384- 906- 109- C HA5LZ 237,636- 586- 113- C HA6NW 134,261- 547- 71- C HA6IAM 96,876- 352- 81- C HA7ML 73,224- 309- 72- C HA6VA 55,407- 229- 66- C HA7JB 42,399- 177- 63- C HA3GJ 2,970- 41- 18- C HA9KZ 675- 75- 9- C	Hungary	HA9MM 1,926,690- 2636- 190- A HA5PP 1,091,270- 1959- 145- A HA5HH 219,414- 706- 87- A HA1SL 103,812- 356- 82- A HA3HU 53,340- 451- 35- A HA8XX 313,992- 803- 98- B HA1XR 632,125- 1409- 125- C HA8OI 436,988- 1086- 107- C HA6NL 362,178- 1026- 114- C HA7UI 324,384- 906- 109- C HA5LZ 237,636- 586- 113- C HA6NW 134,261- 547- 71- C HA6IAM 96,876- 352- 81- C HA7ML 73,224- 309- 72- C HA6VA 55,407- 229- 66- C HA7JB 42,399- 177- 63- C HA3GJ 2,970- 41- 18- C HA9KZ 675- 75- 9- C	Hungary	HA9MM 1,926,690- 2636- 190- A HA5PP 1,091,270- 1959- 145- A HA5HH 219,414- 706- 87- A HA1SL 103,812- 356- 82- A HA3HU 53,340- 451- 35- A HA8XX 313,992- 803- 98- B HA1XR 632,125- 1409- 125- C HA8OI 436,988- 1086- 107- C HA6NL 362,178- 1026- 114- C HA7UI 324,384- 906- 109- C HA5LZ 237,636- 586- 113- C HA6NW 134,261- 547- 71- C HA6IAM 96,876- 352- 81- C HA7ML 73,224- 309- 72- C HA6VA 55,407- 229- 66- C HA7JB 42,399- 177- 63- C HA3GJ 2,970- 41- 18- C HA9KZ 675- 75- 9- C
West Virginia	K9COL 84,402- 250- 81- A WB8BMX 13,920- 105- 32- B W6VEN 8,900- 84- 25- B N4SLR (+ KC4LAC,WB8YZV) 115,656- 568- 61- D	Zone 15	Brazil	PP5JD 573,975- 1542- 75- B PP2YY 28,096- 314- 18- C	Zone 23	Asiatic RSFSR</td							

SP8NR	181,396- 498- 101- C	Y38I (Y44s TI,XI,ZI,ops)	Zone 29	UA8LAK	15,490- 251- 31- C	RB56W	686,424- 1392- 148- C
SP8BBH	132,314- 359- 91- C	Y35L (Y26BL,Y33s TL,UL,ops)	Kaliningrad	UA8WA	15,300- 119- 34- C	RB5QF	493,107- 1225- 123- C
SP1AEN	90,506- 424- 59- C			UA8BK	12,800- 157- 40- C	UB5IAN	309,394- 845- 113- C
SP8EIY	65,431- 294- 59- C	Y22YD (+Y24Y,H,Y25TD)		UA8LIE	12,258- 145- 46- C	UB5IM	279,748- 864- 103- C
SP4FG	59,148- 302- 62- C			UA8LDP	5,180- 43- 28- C	UB5LF	283,403- 691- 111- C
SP5CQJ	42,924- 354- 42- C	729,820- 1381- 140- D		UA8LE	3,738- 52- 21- C	RB4JF	256,641- 805- 101- C
SP3LPR	920- 26- 10- C	Y38CH (Y39s OH,SH,ZH,ops)		UA8LIP	585- 65- 5- C	UB5JC	214,640- 751- 80- C
SP3PLD (SP3s IBM,NYS,SSB,ops)	284,834- 767- 107- D	496,188- 1034- 132- D		UA8LAF	185- 15- 5- C	UB5OBC	210,780- 695- 88- C
SP1PBW (SP1s AMU,BZZ,ops)	223,890- 589- 102- D	Y32CN (Y24LN,Y32s WN,YN,ops)		UZ1AWT (U1ALZL,UW1AE,UV1AA, UA1-169-100,ops)	1,070,772- 1727- 152- A	UB5PAG	154,488- 599- 92- C
German Democratic Republic		386,856- 975- 113- D		UA8RAR	1,077,072- 1727- 152- A	UT4UN	134,421- 343- 111- C
Y21RM/A	834,240- 1402- 158- A	Y44CN (Y23TN,Y44s SN,ZN,ops)		RW3AU	400,928- 846- 134- A	UB4LAA	111,311- 499- 78- C
Y35VM	413,187- 880- 129- A	316,511- 905- 97- D		UA8WCO	175,350- 715- 70- A	UB5AFG	99,840- 486- 65- C
Y34SG	393,471- 815- 118- A	Y33CC (Y21BC,Y22C,ops)		UA3SBW	157,130- 459- 95- A	UB5EF	96,633- 413- 81- C
Y21VFA	343,090- 959- 110- A	305,200- 838- 109- D		UA1WBV	145,028- 549- 87- A	UY5ZI	89,131- 277- 87- C
Y25TO	330,210- 721- 135- A	Y43CO (Y21RO,Y43s GO,ZO,ops)		RA3AOB	113,057- 389- 81- A	U6CG	88,780- 516- 80- C
Y22EK	284,592- 677- 112- A	304,406- 896- 104- D		UA6JD	84,388- 303- 68- A	RB5UE	75,150- 340- 75- C
Y48HL	217,953- 758- 99- A	Y33CUP (Y33s QJ,LJ,WI,ops)		UA3TS	81,216- 397- 64- A	UB5MTM	70,380- 322- 40- C
Y31WI	190,992- 892- 92- A	275,218- 777- 103- D		RA3AQ	78,300- 493- 60- A	UB5PAN	70,200- 429- 39- C
Y32WF	189,274- 551- 101- A	Y73SOP (Y21s EA,FA,Y23FA,Y42HA, Y25QA,ops)		RA3VA	65,928- 224- 82- A	UB3MP	69,880- 315- 70- C
Y21WI	114,390- 431- 82- A	236,104- 916- 88- D		UA3DCZ	65,036- 292- 71- A	UB5HQ	62,000- 293- 64- C
Y44NO	113,442- 547- 74- A	Y54CO (Y54s NL,TO,ZO,ops)		UA3DK	53,865- 355- 56- A	UB5EOB	60,770- 286- 59- C
Y22IH	103,968- 410- 76- A	178,959- 705- 87- D		UA3SFH	52,746- 285- 59- A	UB4AO	58,451- 283- 59- C
Y25PE	61,296- 512- 96- A	Y44CF (Y25OF,Y33F,ops)		RA6HCL	50,917- 503- 83- A	UB4KX	56,808- 200- 72- C
Y22WK	104,308- 396- 74- A	52,049- 438- 71- D		UA3RLZ	42,126- 435- 42- A	UB5TN	52,984- 198- 74- C
Y42VNP	68,180- 319- 70- A	Y52CE (Y22KE,Y52s DE,TE,ops)		RA3DJ	28,028- 155- 52- A	RB5IOV	52,456- 374- 43- C
Y55TD	67,536- 335- 63- A	106,796- 485- 73- D		UA4LU	23,100- 250- 39- A	UB4LAT	51,744- 253- 56- C
Y21XUP	63,180- 309- 65- A	Y53CN/P (Y53s VN,XY,YN,ops)		RA6AF	20,540- 120- 52- A	RB5MU	49,408- 222- 64- C
Y48VN	57,980- 624- 65- A	95,130- 421- 70- D		RAW3D	17,889- 109- 67- A	UB5ZFN	49,077- 297- 41- C
Y22BCP	44,287- 190- 67- A	Y68CA (Y68s QA,ZA,ops)		UA3AM	12,454- 154- 28- A	RB5FT	47,034- 295- 54- C
Y82SM	42,592- 288- 32- A	63,224- 449- 56- D		UA1ANA	7,317- 89- 27- A	UB5BCJ	46,280- 880- 52- C
Y25FI	39,495- 300- 55- A	Y33CB (Y33s UB,YB,ZB,ops)		UA3MBE	520- 13- 8- A	UB5JNW	42,330- 419- 34- C
Y21NEA	37,732- 325- 33- A	53,280- 323- 48- D		UA6ADC	613,184- 1303- 134- B	UB5EEP	38,205- 277- 45- C
Y42ZG	36,820- 270- 35- A	Y42CB (Y22BY,Y23UB,ops)		UA6LQ	325,458- 855- 98- B	UB4JL	32,457- 292- 31- C
Y61ZA	33,318- 206- 54- A	52,806- 273- 64- D		RA3ZH	243,324- 768- 87- B	UB5XCU	30,852- 257- 36- C
Y27BG/A	28,481- 172- 53- A	Y72CM (Y72s XM,YM,ZM,ops)		UA6XT	200,970- 675- 90- B	UB5JS	29,016- 302- 31- C
Y38ZM	27,931- 133- 53- A	49,242- 248- 58- D		UA3RMN	188,245- 670- 95- B	UB5DD	12,914- 266- 22- C
Y67UL	27,600- 167- 48- A	Y34CC (Y34s TC,UC,YC,ops)		RAW3DW	184,879- 561- 81- B	UB4HM	9,044- 61- 28- C
Y49RF	27,120- 136- 48- A	47,640- 273- 60- D		RA6LBS	109,796- 422- 82- B	UB5LFG	5,168- 92- 17- C
Y64XH	22,545- 155- 45- A	Y37CE (Y25LE,Y37ZE,ops)		RAW3ZC	96,185- 343- 73- B	UB5VK	3,024- 72- 18- C
Y22LE	22,084- 202- 28- A	20,652- 210- 26- D		UA4NC	96,900- 468- 76- B	UB5NC	1,846- 34- 13- C
Y25JU/A	20,988- 108- 53- A	Y54CE (Y54s SE,YE,ZE,ops)		UA4CO	75,520- 324- 80- B	UB4JW	708- 74- 6- C
Y58ZA	19,188- 39- 39- A	19,152- 150- 36- D		RA3ZD	69,615- 321- 65- B	UB5SBR	520- 17- 8- C
Y26WM	12,740- 125- 28- A	Y38CB (Y38s RB,YB,ops)		UA3TN	69,108- 256- 78- B	RB8M (RB4s MB,MF,RB5s MA,MP, UB4ML,UB5s MDA,MN,059-12,ops)	22,774,778- 3477- 222 D
Y36YE	10,082- 99- 26- A	15,880- 135- 40- D		RA3ZI	67,900- 322- 70- B	UB3IWA (UB5s IFZ,MLI,OK,ops)	3,219,648- 2619- 219- D
Y42ZH	10,052- 88- 28- A	Y63CG (Y63s WG,-09,G,ops)		RA6LGP	61,301- 295- 59- B	UT4UXW (UT3UA,UT4Z,UT5UGR,ops)	1,724,020- 2552- 195- D
Y65KM	9,801- 99- 33- A	14,171- 126- 37- D		UA3DNR	55,158- 300- 58- B	UB4CWW (RB5s CB,CQ,CW,UB5s CCN, -080,-70,ops)	1,292,581- 2452- 157- D
Y47PM	8,954- 206- 22- A	Y54AC (Y54s UL,2L,ops)		RA3DNC	49,020- 305- 38- B	UB4WZA (UB5s YFO,-118-152,-118 -478,ops)	997,998,060,702,190- 1352- 142- D
Y22HF	7,320- 66- 30- A	10,130- 113- 30- D		UA4ACP	40,420- 276- 47- B	UB4AWW (UB5s AEM,AFM,ops)	499,348- 1310- 124- D
Y44WA/P	3,876- 90- 17- A	Romania		RA6LAP	36,556- 223- 54- B	UY8ILK (RB5s IIU,IKY,UB5s NO,ops)	416,916- 1113- 111- D
Y510G	3,726- 54- 23- A	Y05BQ		UA6ECU	10,138- 370- 32- B	UB4FWC (+UB5FBV)	285,785- 1029- 105- D
Y22WH	2,982- 99- 14- A	107,325- 425- 81- A		UA6HON	32,760- 351- 54- B	UB4MXR (UB4s MLD,MLB,UB5s VMK,ops)	218,925- 669- 105- D
Y62RM	2,635- 39- 15- A	Y02AQB		RA3TFU	26,676- 252- 38- B	UB4QYA (+ops)	183,722- 788- 77- D
Y32EE	2,304- 42- 16- A	85,190- 333- 70- A		UA6LLL	22,103- 197- 31- B	UB4FXX (RB5s FZ,MLI,OK,ops)	-070,-433,ops)
Y24XH	1,911- 39- 13- A	Y05KLE		UA3SBJ	16,352- 176- 31- B	UB4LWY	1,292,581- 2452- 157- D
Y25TM	1,887- 33- 17- A	86,628- 435- 52- A		UA3CS	17,561- 267- 85- B	UB4WZC (UB5s WZC,UB5s 0995,996, 997,998,060,702,190- 1352- 142- D)	
Y28DM	1,862- 33- 14- A	Y06ADW		UA6LBO	16,884- 142- 36- B	UB4AWW (UB5s AEM,AFM,ops)	499,348- 1310- 124- D
Y71ZA/P	1,550- 100- 10- A	83,239- 249- 43- A		RA1CQ	14,280- 153- 35- B	UB4AYN (+ops)	UY8ILK (RB5s IIU,IKY,UB5s NO,ops)
Y48ZD	1,456- 31- 16- A	Y02ARV		UA4LEW	13,311- 185- 27- B	UB4PWY (+ops)	416,916- 1113- 111- D
Y25MO/P	1,280- 58- 15- A	Y08FCB		RA4SBV	12,087- 254- 38- B	UB4FWC (+UB5FBV)	285,785- 1029- 105- D
Y24HB	896- 26- 14- A	Y09DIA		RA3VCR	4,335- 81- 17- B	UB4MXR (UB4s MLD,MLB,UB5s VMK,ops)	218,925- 669- 105- D
Y28RL	594- 26- 9- A	Y03DCO		UA4CPW	2,610- 52- 15- B	UB4QYA (+ops)	183,722- 788- 77- D
Y36SG	140- 7- 4- A	Y02BLN		RA3ZD	77,939- 1427- 163- C	UB4FXX (RB5s FZ,MLI,OK,ops)	-070,-433,ops)
Y22VI	38,006- 190- 62- B	Y08AVG		RA3ZC	303,105- 795- 121- C	UB4LWY	149,796- 674- 73- D
Y45LJ	36,396- 178- 54- B	Y08AHX		UA2AXE (YA8AOs,ops)	278,616- 778- 114- C	UB4LWY (UB4LRG,UB5s 0778 1880, 2252,ops)	143,673- 488- 83- D
Y25ML	34,503- 211- 53- B	Y09DHY		RA3DEW	98,915- 458- 73- C	UB4MVC	141,805- 497- 79- D
Y66TH	34,496- 198- 56- B	2,795- 72- 13- B		RA3PQ	109,391- 327- 83- C	UB4WV	1,292,581- 2452- 157- D
Y68YF/P	25,806- 169- 46- B	Y05QAW		UA3YAO	205,766- 687- 94- C	UB4FWC (UB5s WZC,UB5s 0995,996, 997,998,060,702,190- 1352- 142- D)	
Y54TA	19,395- 125- 45- B	2,262- 81- 13- B		RA4AV	203,500- 615- 100- C	UB4AW (UB5s AEM,AFM,ops)	499,348- 1310- 124- D
Y41JH	15,414- 103- 42- B	Y09AB		RA4AV	184,126- 645- 84- C	UB4AYN (+ops)	UY8ILK (RB5s IIU,IKY,UB5s NO,ops)
Y67PN	14,314- 123- 34- B	Y05OBL		RA4YR	151,126- 557- 82- C	UB4PWY (+ops)	416,916- 1113- 111- D
Y25PO/P	11,340- 110- 35- B	Y04BEX		RA4CPW	144,910- 555- 86- C	UB4FWC (+UB5FBV)	285,785- 1029- 105- D
Y48ZC/P	9,887- 97- 33- B	Y02DFA		RA1AU	137,982- 583- 78- C	UB4MXR (UB4s MLD,MLB,UB5s VMK,ops)	218,925- 669- 105- D
Y43XE	6,340- 95- 20- B	Y03AAQ		RA4LEW	13,311- 185- 27- B	UB4QYA (+ops)	183,722- 788- 77- D
Y25DF/P	2,720- 43- 16- B	Y02BKK		RA4SV	133,364- 582- 77- C	UB4FWC (UB4s MLD,MLB,UB5s VMK,ops)	218,925- 669- 105- D
Y25AH	1,872- 33- 18- B	Y06VZ		RA4SV	12,086- 343- 82- C	UB4AYN (+ops)	183,722- 788- 77- D
Y24MB	1,320- 54- 10- B	Y08BPY		RA4SR	4,335- 81- 17- B	UB4PWY (+ops)	416,916- 1113- 111- D
Y31CN	1,092- 18- 13- B	Y08AVW		RA4STU	120,480- 512- 80- C	UB4FWC (+UB5FBV)	285,785- 1029- 105- D
Y240EA/E	174- 7- 8- B	Y08BTY		RA4TF	114,700- 370- 64- C	UB4MXR (UB4s MLD,MLB,UB5s VMK,ops)	218,925- 669- 105- D
Y25TG	215,670- 730- 91- C	433,920- 1198- 113- A		RA4HJK	75,276- 323- 68- C	UB4QYA (+ops)	183,722- 788- 77- D
Y75IN	135,490- 512- 85- C	Y02TY		RA4LDJ	75,226- 409- 46- C	UB4FWC (UB4s MLD,MLB,UB5s VMK,ops)	218,925- 669- 105- D
Y56ZA	124,800- 450- 80- C	811,008- 1579- 128- B		RA3VLO	72,072- 290- 77- C	UB5XQ (UB5s XCA,XCU,ops)	34,817- 310- 37- D
Y28GH/A	115,423- 527- 77- C	YU2W (YT2Fl,op)		RA6BGL	70,040- 270- 68- C	RA4JY (RB51QD,UB5s 0778 3972, 4364,ops)	21,351- 255- 46- D
Y23IA/A	107,756- 390- 79- C	772,507- 1439- 131- B		RA4QK	67,184- 372- 58- C	UB5LWF (RA3s LID,LGN,-155-581,ops)	20,933- 288- 43- D
Y23TL	74,324- 328- 68- C	YU1ADO		RA1AJ	65,659- 513- 47- C	RA5IQ	73,432- 312- 67- A
Y35ZJ	69,642- 281- 73- C	YU1ADO		RA4AI	58,536- 284- 72- C	RA5MF	47,640- 288- 55- D
Y25JI	54,072- 244- 72- C	YU1ADO		RA4AL	53,688- 374- 56- C	UB5FWO (UB5s RCL,RCU,-061-802,ops)	143,673- 488- 83- D
Y23VB	45,668- 281- 49- C	YU1ADO		RA1CT	57,688- 374- 56- C	UB5LWF (RA3s LID,LGN,-155-581,ops)	37,726- 298- 52- A
Y71TA	36,250- 170- 52- C	YU1ADO		RA4LA	57,184- 328- 62- C	UB5XQ (UB5s XCA,XCU,ops)	34,817- 310- 37- D
Y259G	31,688- 170- 52- C	YU1ADO		RA4LAF	52,880- 360- 64- C	RA4JY (RB51QD,UB5s 0778 3972, 4364,ops)	21,351- 255- 46- D
Y250E	30,654- 333- 39- C	YU1ADO		RA4LJ	50,276- 332- 61- C	UB5LWF (RA3s LID,LGN,-155-581,ops)	20,933- 288- 43- D
Y71RA	27,195- 162- 49- C	YU1ADO		RA4LJ	45,580- 302- 50- C	RA5MF	47,640- 288- 55- D
Y23HJ	24,274- 153- 53- C	YU1ADO		RA4LJ	42,300- 274- 45- C	UB5FWO (UB5s RCL,RCU,-061-802,ops)	143,673- 488- 83- D
Y23CM	22,750- 142- 35- C	YU1ADO		RA4LJ	39,824- 352- 38- C	UB5LWF (RA3s LID,LGN,-155-581,ops)	37,726- 298- 52- A
Y23GB	20,331- 209- 27- C	YU1ADO		RA4LJ	35,345- 292- 45- B	UB5XQ (UB5s XCA,XCU,ops)	34,817- 310- 37- D
Y79WN	16,610- 110- 55- C	YU1ADO		RA4LJ	30,015- 270- 40- C	RA4JY (RB51QD,UB5s 0778 3972, 4364,ops)	21,351- 255- 46- D
Y61XM	15,429- 125- 3						

Azerbaijan		UZ9CWF (UV9CAG,UA9-154s 1196, 1220,ops) 19,412- 179- 23-D	R8C (RWBCA,UA8s CDX,CJ,UW0s CA, CN,CW,ops)	J46EFT 10,125- 85- 27-B J42BEY 9,800- 66- 35-B J77LWV 9,048- 83- 29-B	Zambia	9J2AL 13,425- 180- 15-A	
UD8DKZ	173,583- 453- 81- C	UZ9AXX (+ ops) 12,809- 331- 26-D	UZ9LWK (UW0s LCN,LDU,ops) 7,521- 107- 23-D	J42ONH 8,175- 71- 25-B J4BAW 6,118- 64- 23-B J41TR 5,675- 49- 25-B	Zone 54		
UD8DKW	68,742- 320- 57- C			J4SEO 5,375- 53- 25-B J4BAJ 3,122- 47- 14-B	Indonesia		
Georgia		Uzbekistan		J41JLP 2,516- 30- 17-B J41XPU 2,346- 34- 17-B	YC2GW 85,544- 474- 37-B YC3OSE 46,248- 232- 41-B		
UF8QR	202,350- 566- 71- B	RI8AB 543,356- 1133- 106-B UI8ZAA 178,226- 565- 68-B	U8AD0 249,600- 795- 65-C	J43HPD 2,337- 27- 19-B J43FZI 1,648- 25- 16-B	YC2GAM 33,180- 241- 28-B YC8RFF 17,524- 150- 26-B		
UF8FFH	16,110- 139- 30-B	UI8BA 90,915- 235- 87-C RI8BN 84,240- 582- 30-C	U8BZDA 19,803- 157- 69-C	J41RMH 1,558- 20- 19-B J42JEG 1,458- 29- 18-B	YC2WB 6,992- 90- 19-B YB2FEA 59,829- 253- 49-C		
Armenia		Tadzhikistan		J42WHS 1,440- 26- 18-B J41MRC 1,361- 25- 13-B	Singapore		
UG8GQ	363,225- 1415- 75-C	UJ8KA 75,756- 283- 59-A UJ8JME 17,496- 165- 24-A	CU2BR 764,604- 1584- 134-A	J01MCC 910- 18- 13-B	9V8RH 2,655- 49- 14-B		
Moldavia		UJ8JCM 457,520- 1087- 95-B UJ8JA 584,064- 1157- 106-C		J43KAH 640- 16- 10-B	Zone 55		
RO4OW	106,896- 412- 68-A	Kazakhstan		J41QE 540- 12- 9-B	Australia		
RO4OA	71,001- 318- 63-A	RL7AE 51,537- 281- 41-A	EAB8DR 31,383- 203- 33-B	J4BACV 366- 13- 6-B	VK8XX 950,688- 1222- 161-A		
UO5ON	65,892- 406- 57-A	RL7PEO 98,822- 369- 54-B	EAB8B 345,802- 937- 74-C	J41GWE 135- 11- 3-B	VK4TT 2,236- 38- 13-C		
Lithuania		RL7/RA9SB 58,803- 270- 51-B	EAB8BG 16,150- 190- 17-C	J47WKQ 710,640- 1246- 126-C	Zone 56		
UP2OU	296,120- 777- 110-A	UL70BA 47,926- 338- 30-B		J41NUT 489,800- 1002- 105-C	Australia		
UP3BQ	95,036- 567- 46-A	UL70B 11,856- 103- 21-B		J41IJV 484,596- 947- 108-C	VK8AJ 95,990- 339- 58-C		
UP2OM	70,512- 335- 68-A	RL7AB 1,105,247- 1853- 131-C		J4BDAI 445,380- 750- 130-C	Zone 59		
UP2BNC	61,842- 578- 37-A	RL7MU 554,062- 1182- 106-C	EAB8C 282,816- 644- 96-C	J4BCWJ 237,180- 746- 67-C	Australia		
UP2BKT	44,505- 423- 43-A	UL7BN 317,191- 602- 113-C	CT1BBJ 23,576- 240- 28-B	J43BOT 206,125- 426- 111-C	VK2AYK 52,170- 229- 47-B		
UP2BDN	23,920- 124- 5-A	UL8/UZ9SWO 48,061- 330- 31-C	CT1QF 16,834- 121- 38-B	J47OMD/2 199,626- 462- 96-C	VK5GNP 6,406- 57- 24-B		
UP2BPM	384- 18- 8-A	RL8PYL (UL7s PC2,PL,RL8s PY,PZ,ops)	CT1BWW 15,361- 160- 51-B	J43CKA 174,760- 554- 68-C	VK2PWS 1,331- 25- 11-B		
UP2BH	270,684- 771- 103-B	UL8LYA (UL7s LEG,LO,-177,ops)	CR5CQK (CT1CQK,op)	J41BNW 167,160- 446- 84-C	VK2APK 428,127- 795- 111-C		
UP2BQO	73,261- 407- 61-B	UL8CW (UL7s CAA,CC,CT,ops)		J41YDT (JO1DL,op)	Zone 60		
UP2ER	67,118- 334- 74-B	741,831- 1484- 107-D		161,084- 479- 77-C	New Zealand		
UP2ND	31,836- 232- 42-B	UL8RWR (UL7s RER,-178.5,-178,-178,ops)		J40NCE 106,792- 337- 72-C	ZL3QO 790,500- 1080- 150-C		
UP2BZ	112,770- 473- 70-C			J4TSI 104,842- 266- 89-C	ZM2AGY 41,634- 165- 54-C		
UP2BPO	72,343- 311- 73-C			J4H4NC 98,454- 362- 86-C	Zone 61		
UP2BS	6,184- 68- 23-C			J4EVRF 80,592- 254- 73-C	Hawaiian Islands		
UP1BWW (UP2BA,BU,BW,BO,BRP, PX,-038-116,ops)	1,550,855- 2273- 185-D			J42NMF 79,950- 253- 82-C	KH6FKG 201,135- 769- 53-B		
UP1BWR (RP2BJT,UP2BL,ops)	164,828- 541- 102-D			J43ARM 85,880- 214- 74-C	AH6JF 92,628- 308- 62-C		
UP1BZR (+ ops)	67,575- 315- 75-D			J41WYQ 48,251- 173- 61-C	Zone 63		
Latvia				J44ETH 48,188- 369- 28-C	Zone 64		
UQ2GD	1,055,700- 1863- 153-A			J44ISK 41,470- 183- 58-C	French Polynesia		
UQ2CR	63,570- 364- 65-A			J44JNC 98,368- 355- 64-C	F05W 487,200- 1237- 80-B		
UQ2GH	43,493- 224- 61-A			J44EVRF 80,592- 254- 73-C	Zone 65		
UQ2PP	5,278- 41- 29-A			J42NPF 79,950- 253- 82-C	Guam		
UQ2GT	56- 8- 4-A			J43ARM 85,880- 214- 74-C	NY8M/KH2 134,652- 650- 42-C		
UQ2GV	90,335- 285- 89-C	RZ9U 1,102,188- 1562- 159-A		J41WYQ 48,251- 173- 61-C	Zone 66		
UQ2GMB	88,704- 386- 72-C	UW9PW 32,650- 153- 50-C		J44BPKV 13,202- 176- 41-C	Marshall Islands		
UQ2GEQ	52,542- 421- 42-C	UZ9HYN (+ ops)		J42BJSJ (+ EA2s CFZ,CGA)	KX6OI 34,188- 208- 33-C		
UQ2GE	44,574- 306- 51-C	902,421- 1711- 117-D		1,130- 37- 10-D	Zone 67		
UQ2GN	11,688- 140- 24-C			J43BPKV 12,352- 84- 32-C	Franz Josef Land		
RQ7W (UQ2Gs GAG,GJR,GOU,-037-93, -037-116,ops)	2,537,280- 3373- 192-D			J43BJSO 9,090- 69- 30-C	UA8BEZ/UA1O		
UQ8A (UQ2GN,UQ2s GKL,GID,GM,ops)	1,806,080- 2736- 170-D	UL8GWV (UL7GAL,ULB,GM, -190-088,ops)		J41OP 5,957- 55- 23-C	96,525- 703- 33-B		
UZ1QWW (+ ops)	313,710- 1205- 110-D	11,946- 179- 22-D		J4BGSV 3,560- 40- 20-C	UA1OT 13,500- 147- 27-C	Checklogs	
UQ1GXJ (+ UQ2-037-221)	120,080- 518- 69-D			J41PKS 2,885- 40- 17-C			
Estonia				J41HXY 2,090- 24- 19-C			
UR2RN	243,504- 866- 114-C	RW3QA/RM3M		J41GZQ 1,428- 18- 17-C			
RR2HO	5,126- 112- 22-C	211,487- 775- 61-A		J42AAF (W1END,op)			
UR1RWL (+ ops)	123,000- 577- 75-D	RM1MU/WU3QD		836- 26- 11-C	Zone 65		
UR1RWQ (UR2-083s 1081, 1082,ops)	79,857- 426- 57-D	52,777- 300- 39-A		J42YAA (JQ1JCV,J3JCL,JE7JZC, JE8AWL,JH8ORW,ops)	Marshall Islands		
		UM8MBA 81,576- 310- 43-C		987,200- 1415- 169-D	KX6OI 34,188- 208- 33-C		
		UM9MZ (+ ops)		JE2YRD (F2s DJQ,EOC,ops)	Zone 75		
		56,975- 299- 43-D		984,657- 1627- 129-D	Franz Josef Land		
Zone 32				J48YBY (JO1DFG,JH8s GFB,PNE,JE8s BRO,KLL,JH8DH)	UA8BEZ/UA1O		
European Russian RSFSR				903,150- 1502- 135-D	96,525- 703- 33-B		
UA4HRZ	43,950- 237- 50-A	UABTO 1,008,432- 1711- 141-A		J49YBA (JH9VSF,JREUZ,JEBLG,ops)	UA1OT 13,500- 147- 27-C		
UA4RC	244,316- 640- 103-C	RA8SK 63,140- 270- 55-A		417,954- 1109- 82-D	Checklogs		
UA4WAM	61,932- 378- 39-C	RA8SR 532,152- 1254- 114-B					
UA4WAD	28,830- 217- 30-C	UA8SU 47,435- 214- 53-B		J48YJS (JS1PWV,JSQ3BAM,JI4ETK, JG4SVN,IR5BMM,JI6KYY,ops)			
UZ4WYV (PW4s WR,WU,ZA4s WWW, WW,ops)	363,312- 870- 122-D	UBAL 153,328- 605- 56-C		228,540- 693- 78-D			
Astactic RSFSR		UABSY 105,630- 538- 42-C		J48YAK (JS1PTU,JK2PVL,JE7GWO, J70EDH,JH8VYG,ops)			
RV8CDV	165,596- 553- 64-A	RBW8M 63,140- 188- 82-C		65,088- 212- 72-D	Zone 64		
UA8CBO	68,620- 180- 94-A	UZB9AXX (UA8s AFC,AGI,AMA,ANW, -103-73,103-267,ops)		J41YAD (JS1s DSC,IKQ,MNF,ops)			
UA8G	55,814- 327- 43-A	1,268,629- 1714- 163-D		58,080- 247- 55- D	Zone 65		
UA8T	26,334- 129- 57-A	UA8T/UZ4FWO (RA3FB,UA3RZ, UA4s FAO,-148-67,-148-669,ops)		J48YJS (JS1PWV,JSQ3BAM,JI4ETK, JG4SVN,IR5BMM,JI6KYY,ops)			
UA8ZT	17,264- 86- 52-A	870-247- 1688- 119-D		228,540- 693- 78-D			
UA8QA	405,882- 868- 106-B	UZB9WWR (+ ops)		J48YAK (JS1PTU,JK2PVL,JE7GWO, J70EDH,JH8VYG,ops)			
UW9QA	404,962- 817- 112-B	66,339- 373- 39-D		65,088- 212- 72-D	Zone 66		
RW8AB	244,964- 560- 94-B			J41YAD (JS1s DSC,IKQ,MNF,ops)			
UABSN	73,514- 272- 58-B			58,080- 247- 55- D	Zone 67		
UV9FG	41,107- 247- 37-B						
UW9SG	22,392- 141- 36-B						
UV9FR	6,980- 100- 15-B						
UW9ND	653,012- 1235- 118-C						
UW9CP	456,940- 945- 110-C						
RV9WB	376,110- 808- 105-C						
UV9DZ	192,465- 493- 73-C						
UABSCU	147,084- 523- 62-C						
UABCG	107,778- 369- 71-C						
UABCM	95,820- 353- 60-C						
UABCF	87,176- 283- 68-C						
UABSF	55,830- 361- 30-C						
UABAKS	43,719- 225- 39-C						
UW9CZ	34,891- 221- 37-C						
RA8CHU	25,626- 354- 40-C						
UABFAZ/UABG	24,140- 301- 20-C						
UZ9MZZ	2,420- 41- 20-C						
RA8AFV	672- 20- 7-C						
UZ9WWB (UABs WPI,WQK,UV9WR, UA9-084s 1535,1539,ops)	445,094- 971- 106-D						
RW9C (+ ops)	369,100- 877- 100-D						
UZ9AYN (UA9-165s 1836,1841,1842, 1851,1852,ops)	132,930- 436- 76-D						